

? logon

*** It is now 2009/11/04 17:38:09 ***
 (Dialog time 2009/11/04 17:38:09)

Preferences:

1. Default save option: [WORD]
2. Graphic Images.
 Maximum width in pixels : [624]
 Maximum height in pixels: [624]
3. Hold output position (don't scroll to the output buffer end): [Yes]
4. Command separators (add HR after every command): [Yes]
5. Type separators (add HR after every record): [Yes]
6. Linking Pane: [Right]
7. Status location.
 Below Type ahead buffer : [Yes]
 In Browser status line: [No]
8. Show Estimated Cost Summary: [Yes]
9. Highlight Search Terms: [Yes]
10. Display Detailed Results by Search Term: [Yes]
11. Show Results by File (multifile search): [Yes]
12. Display Postings: [No]
14. Expand Items: 50
15. Hold Expand output position (don't scroll to the output buffer end): [No]
16. KWIC Window: 100
17. Output Cost Notification: [No]
18. Prompt for Subaccount at Logon: [No]
19. Hide History Tab: [No]
20. Show Preferences at Login: [Yes]
21. Show hyphen(s) in display set command : [Yes]

HIGHLIGHT set on as ' ' ' '

>>>100 is not in the range between 1 and 50, original value 30 is used.

IGOR705 is set ON as an alias for

2,9,15,16,20,35,65,77,99,148,160,233,256,275,347,348,349,474,475,476,583,6-
 10,613,621,624,634,636,810,813

IGORMEDIC is set ON as an alias for

5,34,42,43,73,74,129,130,149,155,442,444,455

IGORINSUR is set ON as an alias for 169,625,637

IGORBANK is set ON as an alias for 139,267,268,625,626

IGORTRANS is set ON as an alias for 6,63,80,108,637

IGORSHOPCOUPON is set ON as an alias for 47,570,635,PAPERSMJ,PAPERSEU

IGORINVEN is set ON as an alias for 6,7,8,14,34,94,434

IGORFUNDTRANS is set ON as an alias for 608

? b igor705

>>> 77 does not exist

>>> 233 does not exist

>>> 476 does not exist

>>>3 of the specified files are not available

04nov09 17:38:20 User268082 Session DL37.1

\$0.00 0.875 DialUnits File415

\$0.00 Estimated cost File415

\$0.05 INTERNET

\$0.05 Estimated cost this search

\$0.05 Estimated total session cost 0.875 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 2:INSPEC 1898-2009/Oct W4

(c) 2009 The IET
 File 9:Business & Industry(R) Jul/1994-2009/Nov 03
 (c) 2009 Gale/Cengage
 File 15:ABI/Inform(R) 1971-2009/Nov 03
 (c) 2009 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2009/Oct 09
 (c) 2009 Gale/Cengage
 *File 16: UD/banner does not reflect last processed date
 File 20:Dialog Global Reporter 1997-2009/Nov 04
 (c) 2009 Dialog
 File 35:Dissertation Abs Online 1861-2009/Sep
 (c) 2009 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2009/Nov 04
 (c) 2009 BLDSC all rts. reserv.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Oct
 (c) 2009 The HW Wilson Co.
 File 148:Gale Group Trade & Industry DB 1976-2009/Oct 16
 (c) 2009 Gale/Cengage
 *File 148: The CURRENT feature is not working in File 148.
 See HELP NEWS148.
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 256:TecTrends 1982-2009/Nov W1
 (c) 2009 Info.Sources Inc. All rights res.
 *File 256: Please see HELP NEWS 256 for the latest
 information about TecTrends.
 File 275:Gale Group Computer DB(TM) 1983-2009/Oct 05
 (c) 2009 Gale/Cengage
 File 347:JAPIO Dec 1976-2009/Jul(Updated 091030)
 (c) 2009 JPO & JAPIO
 File 348:EUROPEAN PATENTS 1978-200944
 (c) 2009 European Patent Office
 File 349:PCT FULLTEXT 1979-2009/UB=20091029|UT=20091022
 (c) 2009 WIPO/Thomson
 File 474:New York Times Abs 1969-2009/Nov 04
 (c) 2009 The New York Times
 File 475:Wall Street Journal Abs 1973-2009/Nov 04
 (c) 2009 The New York Times
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 Gale/Cengage
 *File 583: This file is no longer updating as of 12-13-2002.
 File 610:Business Wire 1999-2009/Nov 04
 (c) 2009 Business Wire.
 *File 610: File 610 now contains data from 3/99 forward.
 Archive data (1986-2/99) is available in File 810.
 File 613:PR Newswire 1999-2009/Nov 04
 (c) 2009 PR Newswire Association Inc
 *File 613: File 613 now contains data from 5/99 forward.
 Archive data (1987-4/99) is available in File 813.
 File 621:Gale Group New Prod.Annou.(R) 1985-2009/Sep 25
 (c) 2009 Gale/Cengage
 File 624:McGraw-Hill Publications 1985-2009/Nov 04
 (c) 2009 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2009/Oct 28
 (c) 2009 San Jose Mercury News
 File 636:Gale Group Newsletter DB(TM) 1987-2009/Oct 09
 (c) 2009 Gale/Cengage
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc

Set	Items	Description
---	----	-----

? s (meter (3n) license) (w) vendor (w) (user? or customer?)

Processing
Processing
Processing
Processing
Processing
Processing
Processing
Processing

Processing
Processing
Processed 10 of 26 files ...
Processing
Processed 20 of 26 files ...
Processing
Completed processing all files

721499	METER
2764078	LICENSE
1766916	VENDOR
11083909	USER?
19198584	CUSTOMER?
S1	0 (METER (3N) LICENSE) (W) VENDOR (W) (USER? OR CUSTOMER?)

? s (meter (3n) license) (w) (issu??? or assign???) (w) vendor?

Processing
Processing
Processing
Processing
Processing

Processing
Processed 10 of 26 files ...
Processing
Completed processing all files

721499	METER
2764078	LICENSE
25804329	ISSU???
2191994	ASSIGN???
3592139	VENDOR?
S2	0 (METER (3N) LICENSE) (W) (ISSU??? OR ASSIGN???) (W) VENDOR?

? s (meter (3n) license) and (issu??? or assign???) and vendor?

Processing
Processing

Processing
Processing

```
Processing
Processed 10 of 26 files ...
Processing
Completed processing all files
    721499 METER
    2764078 LICENSE
        408 METER (3N) LICENSE
    25804329 ISSU???
    2191994 ASSIGN???
    3592139 VENDOR?
S3      57 (METER (3N) LICENSE ) AND (ISSU??? OR ASSIGN???) AND
          VENDOR?
```

? s (meter (3n) license) (w) without (w) postage

Processing

```
    721499 METER
    2764078 LICENSE
    18477883 WITHOUT
    135317 POSTAGE
S4      0 (METER (3N) LICENSE ) (W) WITHOUT (W) POSTAGE
```

? s without (4n) (meter (3n) license)

Processing

```
    18477883 WITHOUT
    721499 METER
    2764078 LICENSE
S5      2 WITHOUT (4N) (METER (3N) LICENSE )
```

? s s3 and s5

```
    57 S3
    2 S5
S6      0 S3 AND S5
```

? t s5/3,k/1-2

5/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
(c) 2009 Dialog. All rights reserved.

36771151 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Russian TV Expert Deplores Increasing State Control of TV, Radio
Broadcasting**

Interview with Aleksey Samokhvalov, director of the National Television

and Radio Research Center, by Sergey Varshavchik; date, place of interview not given: "State Rowing on the Channels. Aleksey Samokhvalov Would Like To See Kiselev or Parfenov on the S

WORLD NEWS CONNECTION

July 14, 2004

Journal Code: WWNC **Language:** English **Record Type:** FULLTEXT

Word Count: 1597

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...Varshavchik) What else surprises you in present-day television?
(Samokhvalov) The Sport TV company, broadcasting **without a license** on the sixth **meter**-band channel. Of course you can watch canoeing or billiards for 10-15 minutes. But...

Dialog eLink: [Order File History](#)

5/3K/2 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

01513417

Electrophotographic imaging device having ink printing device for printing of metered postage

Elektrophotographische Abbildungsvorrichtung mit Tintendruckeinrichtung zum Drucken von Postwertzeichen

Dispositif d'images electrophotographiques avec dispositif d'impression a encre pour l'impression de marques d'affranchissement

Patent Assignee:

- **Hewlett-Packard Company (a Delaware corporation);** (3016021)
3000 Hanover Street; Palo Alto, CA 94304; (US)
(Applicant designated States: all)

Inventor:

- **Davis, Susan M. F.**
16757 Rose Briar Lane; Nampa, Idaho 83687; (US)

Legal Representative:

- **Schoppe, Fritz, Dipl.-Ing. (55463)**
Schoppe, Zimmermann & Stockeler Patentanwälte Postfach 71 08 67;
81458 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	1265196	A1	20021211	(Basic)

ApplicationEP200200948820020425

PrioritiesUS87442520010604

Designated States:

DE; GB; IT;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00**Abstract Word Count:** 189**NOTE:** 1**NOTE:** Figure number on first page: 1

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200250	637
SPEC A	(English)	200250	8412
Total Word Count (Document A) 9049			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 9049			

Specification: ...replacement of their meters. No entity other than the manufacturer may possess a postage meter **without** a valid USPS postage **meter license** and a rental agreement with the meter manufacturer. A customer may not possess a postage...

? ds

Set	Items	Description
S1	0	(METER (3N) LICENSE) (W) VENDOR (W) (USER? OR CUSTOMER?)
S2	0	(METER (3N) LICENSE) (W) (ISSU??? OR ASSIGN???) (W) VENDO-
	R?	
S3	57	(METER (3N) LICENSE) AND (ISSU??? OR ASSIGN???) AND VENDO-
	R?	
S4	0	(METER (3N) LICENSE) (W) WITHOUT (W) POSTAGE
S5	2	WITHOUT (4N) (METER (3N) LICENSE)
S6	0	S3 AND S5

? t s5/9/2

Dialog eLink: Order File History

5/9/2 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

01513417

Electrophotographic imaging device having ink printing device for printing of metered postage

Elektrophotographische Abbildungsvorrichtung mit Tintendruckeinrichtung zum Drucken von Postwertzeichen

Dispositif d'images electrophotographiques avec dispositif d'impression a encre pour l'impression de marques d'affranchissement

Patent Assignee:

- **Hewlett-Packard Company (a Delaware corporation);** (3016021)
3000 Hanover Street; Palo Alto, CA 94304; (US)
(Applicant designated States: all)

Inventor:

- **Davis, Susan M. F.**
16757 Rose Briar Lane; Nampa, Idaho 83687; (US)

Legal Representative:

- **Schoppe, Fritz, Dipl.-Ing. (55463)**
Schoppe, Zimmermann & Stockeler Patentanwälte Postfach 71 08 67;
81458 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1265196	A1	20021211	(Basic)

ApplicationEP200200948820020425

PrioritiesUS87442520010604

Designated States:

DE; GB; IT;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00

Abstract EP 1265196 A1

The present invention provides for an imaging apparatus (100, 400) having

an electrophotographic imaging section (122, 124, 126) to generate an image (820, 830) on media (M, E) using an electrophotographic imaging process, and a meter stamp printer (130, 460) to print a meter stamp (810) on the media (M, E). The meter stamp printer (130, 460) can be an ink jet printer, and can be detachably connectable to the imaging apparatus (400). The imaging device (100, 400) can include an electrophotographic print engine (530) to generate the image (820, 830) on the media (M, E) using the electrophotographic imaging section (122, 124, 126). The meter stamp printer (130, 460) can include a meter stamp print head (132, 470) responsive to a meter stamp print engine (550). The imaging device (100, 400) can further include a meter vault program (540), and a meter vault memory (220, 409) to store a value of postage (812) to be printed by the meter stamp printer (130, 460). The meter vault program (540) can authorize the meter stamp printer (130, 460) to print the meter stamp (810) on the media (M, E).

Abstract Word Count: 189

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
Application:	20021211	A1	Published application with search report
Examination:	20030730	A1	Date of request for examination: 20030528
Examination:	20031112	A1	Date of dispatch of the first examination report: 20030926
Withdrawal:	20041117	A1	Date of withdrawal of application: 20040924

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200250	637
SPEC A	(English)	200250	8412
Total Word Count (Document A) 9049			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 9049			

Specification: EP 1265196 A1

FIELD OF THE INVENTION

The invention claimed and disclosed herein pertains to printing of metered postage, and more particularly to printing metered postage facilitated by an electrophotographic imaging device.

BACKGROUND OF THE INVENTION

The present invention pertains to postage meters, which are devices used to print postage on envelopes or the like in the form of a "meter stamp". The use of a postage meter avoids having to apply stamps to the item to be mailed. Postage meters can print one or more denominations of postage, and can display the amount of postage used and the amount remaining. A meter locks (i.e., will not authorize the printing of a meter stamp) when no postage or minimal postage remains. The use of a postage meter in the United States is governed by United States Postal Service ("USPS") regulation P030, which describes the use and specifications of postage meters and meter stamps. Many foreign countries have similar regulations pertaining to the printing of postage using a postage meter.

In the United States, one must obtain a license to possess a meter and then select a meter and have the meter set. Postage meters are available only by lease from authorized manufacturers. The USPS holds manufacturers responsible for the control, operation, maintenance, and replacement of their meters. No entity other than the manufacturer may possess a postage meter **without** a valid USPS postage **meter license** and a rental agreement with the meter manufacturer. A customer may not possess a postage meter before the USPS sets, seals, and checks it into service. A meter generally must be taken to the licensing post office to be reset by payment for additional postage. However, the USPS Computerized Remote Postage Meter Resetting System ("CMRS") allows certain meters to be reset electronically at the licensee's place of business. This can be done through the use of a modem or a network interface card or the like.

As mentioned, postage can be paid by printing metered postage on any class of mail (except periodicals). Metered postage (printed meter stamps) must be legible and not overlap. Metered postage must be printed or applied in the upper right corner of the envelope, address label, or tag. Meter stamp designs (types, sizes, and styles) must be those specified when a meter is approved by the USPS for manufacture. In all usages, a meter stamp must show the city and state designation of the licensing post office, the meter number, and the amount of postage. Fluorescent red ink is mandatory for metered postage on letter-size metered mail. Failure to use fluorescent ink may lead to the revocation of the meter license. At the present time, a meter stamp cannot be printed using toner in an electrophotographic printing process.

A postage meter comprises a "vault", which is the device which stores the value of the postage which has been set on the meter (and paid for by the licensee), and more specifically, the remaining value of postage following any use of the meter. Modern postage meter "vaults" are typically electronic devices which include a vault memory (such as a readable-writeable random access memory ("RAM")) configured to store the value of postage remaining in the meter. A primary concern of the licensing authority (typically, a national post office) in the use of postage meters is ensuring that the licensee debits the vault for usage of postage, and further that the licensee does not increase the value of postage recorded in the vault through means other than those authorized by the licensing authority. To this end, access to the vault is provided

through a vault program, which is typically executed by a vault processor. The vault program is provided with an encryption or encoding routine allowing only an authorized entity to increment the value stored in the vault. Likewise, the vault program is provided with an accounting routine to subtract value from the vault when postage is printed using the postage meter. The accounting routine can also provide a user with information regarding the balance available in the vault.

When a meter stamp is to be printed using an electronic printing device, such as an ink jet printer, then an additional concern of the licensing authority is ensuring that the meter stamp printing device only prints a meter stamp which is authorized by the postage meter. That is, the licensing authority desires to prevent persons from printing metered postage using the printing device unless the printing causes the meter vault to be debited by the amount of the printed meter stamp. To this end the meter stamp printing device can be provided with an electronic "lock" which can only be disabled by an encrypted signal from the vault processor. The meter stamp printing device cannot print a meter stamp until the electronic lock has been disabled. Accordingly, the vault program can further include a meter stamp printing routine. The meter stamp printing routine can generate an electronic file of the meter stamp image to be printed, including the value of the postage, the origin of the stamp (city and state), and any other characteristics to be printed as part of the meter stamp. The meter stamp printing routine can then provide the meter stamp printing file with an encrypted "key", which can only be used by the meter stamp printing device. The "key" unlocks the meter stamp printing device, allowing it to print the meter stamp printing file. After printing, the meter stamp printer again becomes "locked" so that unauthorized printing of postage does not occur.

Prior to the advent of electronic meter stamp printing, meter stamps were almost exclusively printed by apparatus which employ mechanical print elements. These mechanical printing elements are either fixed (such as the city and state of origin of the meter stamp), or are variable and set by hand (such as the postage value and the date, which were set by a plurality of wheels). The mechanical print elements are used to transfer the postage ink from a medium (such as a reservoir or a ribbon) to the item being printed with the meter stamp. However, the use of electronic meter stamp printing allows the formatting and printing of the meter stamp to be performed automatically, saving user time.

U.S. Patent No. 5,696,828, issued to Cordery et al. on December 9, 1997, entitled, "DIGITAL POSTAGE METER SYSTEM", and incorporated herein in its entirety by reference, describes a postage meter having a vault and an ink jet print head. A control system coordinates the printing of metered postage (as authorized from the vault) by the ink jet print head using encrypted communications to thereby ensure security of the system.

U.S. Patent No. 5,815,172, issued to Sungwon R. Moh on September 29, 1998, entitled, "METHOD AND STRUCTURE FOR CONTROLLING THE ENERGIZING OF AN INK JET PRINTHEAD IN A VALUE DISPENSING DEVICE SUCH AS A POSTAGE

METER", discloses a secure method, and apparatus for implementing the method, to print metered postage using an ink jet print head.

U.S. Patent No. 6,085,181, issued to Linda V. Gravell et al. on July 4, 2000, entitled, "POSTAGE METERING SYSTEM AND METHOD FOR A STAND-ALONE METER OPERATING AS A METER SERVER ON A NETWORK", and incorporated herein in its entirety by reference, describes a postage meter that can print a meter stamp on any of several meter stamp printing devices connected to a network. Further, the postage meter can be reset using the USPS Information-Based Indicia Program ("IBIP") using a connection (such as a modem) to a data center authorized to issue postage to a postage meter. Fig. 3 of this patent shows how the meter, in the form of a postal security device ("PSD"), is in communication with a meter stamp printer via a host computer, such as a personal computer. The meter stamp printer can be an unsecured printer. The host computer is provided with a modem to allow postage to be purchased from a data center. The host computer is also provided with applications programs, in conjunction with a meter toolkit, allowing a user to select the desired postage and have the postage printed on media such as an envelope. The meter toolkit ensures the security of the printing of the meter stamp by the printer.

However, all of the prior art postage meter systems still require, in accordance with USPS regulations, that the meter stamp be printed using red fluorescent ink.

By and large, electrophotographic ("EP") imaging devices are the most popular form of imaging device used in homes and offices to print images such as documents and graphics images. By "imaging device" I mean a device configured to print an image on a sheet of printable media. Examples of imaging devices include printers, photocopiers, and so-called "all-in-one" machines, which typically incorporate the functionality of a printer, a photocopier, a facsimile machine, and a scanner all in a single device. Printable media (or "media") can include papers, labels, transparencies, card stock (such as a post card), and pre-formed media such as envelopes. Many printers can print addresses on envelopes using an application software package, such as Word 2000, available from Microsoft Corporation of Redmond, Washington. However, these EP imaging devices cannot print metered postage on printable media. Accordingly, if a user desires to add postage to an envelope or the like after printing the envelope with an address, the user must manually add postage (in the form of stamps, for example), or separately run the envelope through a postage meter which can print the meter stamp on the envelope.

EP imaging devices are well known in the art. However, I will provide here a brief, general description of an EP imaging device to facilitate later description of my invention. An EP imaging device includes a scanning section, also known as an exposure section, and a developing section. A photoconductive material, supported on a continuous transfer medium such as a belt or a drum, moves past the exposure section and the developing section. The photoconductive material is first charged to a base electrical potential. As the photoconductive medium passes by the

exposure section, it is selectively discharged by a laser which is scanned across the moving transfer medium. This scanning is usually accomplished using a rotating polygonal-sided mirror. The laser selectively discharges the photoconductive material in response to a digital file, which is representative of the image to be imagined on the media. (Alternately, the photoconductive material can be initially discharged to a base potential, and then selectively charged by the laser according to the digital file.) The image is thus formed on the photographic material in "pixels" of selectively exposed areas. Thereafter, the photoconductive material is moved past a toner cartridge in the developing section, and toner from the cartridge is attracted to the selectively exposed portions of the photoconductive material. The toner typically comprises small spherical particles (frequently plastic), or powder, or a liquid, all capable of receiving a static electrical charge to facilitate their movement from one point to another by electrostatic processes. The toner is then transferred from the transfer medium to the print media using an electrostatic discharge element, and is then subsequently fused to the media by a fuser. The fuser can use heat and/or pressure to fuse the toner to the print media. The print media is propelled by a series of powered rollers through a media path ("paper path") defined by a series of guides, and is then deposited in an output tray where it can be accessed by a user.

An EP imaging device can create an image on print media either in monochrome (typically black), or as a color image, typically using toners of cyan, yellow, magenta and black. However, as previously mentioned, there is currently no toner, or combination of toners, of a fluorescent color which is acceptable (at least by the USPS) for printing a meter stamp. Accordingly, an office or the like which has an EP imaging device, but which also desires to be able to print metered postage, must have both a separate EP imaging device, as well as a separate metered postage printer. Since each of these devices consumes a certain amount of space, the result can be a crowded office, or loss of valuable space which can be used for other purposes.

What is needed then is a postage meter which achieves the benefits to be derived from similar prior art postage meters, but which avoids certain of the shortcomings and detriments associated therewith.

SUMMARY OF THE INVENTION

The present invention provides for a meter stamp printer as part of, or as an attachment to, an imaging apparatus, and particularly an electrophotographic ("EP") imaging apparatus or device having an electrophotographic printing section. Preferably, the meter stamp printer is an ink jet printer and has an ink jet print head and a meter stamp print engine to control the ink jet print head. The meter stamp print engine operates separately from an electrophotographic print engine which is used to print images using the electrophotographic printing section. The meter stamp print engine can be enabled by a postage meter which is external to the imaging apparatus. Alternately, the postage meter can be

incorporated into the imaging apparatus as an expansion module. The imaging apparatus can be in communication with an external computer, such as a personal computer, which can be used to instruct the imaging apparatus, in conjunction with the meter stamp printing device, to print a meter stamp (using the meter stamp printing device) and/or an image (using the EP imaging section of the imaging apparatus) on a selected medium, such as an envelope or a post card.

In one embodiment the invention includes an imaging apparatus comprising an electrophotographic ("EP") imaging section capable of generating an image on media using an electrophotographic imaging process. The imaging apparatus further includes a meter stamp printer capable of printing a meter stamp on the media. Preferably, the meter stamp printer is an ink jet printer. The meter stamp printer can be a meter stamp unit detachably connectable to the imaging apparatus. The imaging apparatus can be, for example, a laser EP imaging device.

The imaging apparatus can also include a media inlet, a media outlet, and a media path defined between the media inlet and outlet, and through which the media is configured to pass. In this case the EP imaging section and the meter stamp printer can be positioned to be capable of respectively generating the image and the meter stamp on the media as the media passes through the media path. In this way, media (such as an envelope or the like) can be printed with an image, such as an address, as well as metered postage, by using the same apparatus, and in a single operation, such that postage does not need to be separately applied to the medium after (or before) the non-meter stamp image is printed on the medium.

The imaging apparatus can further include an EP print engine configured to generate the image on the media using the EP imaging section. Further, the meter stamp printer can comprise a meter stamp print engine and a meter stamp print head responsive to the meter stamp print engine. The meter stamp print head (which can be an ink jet print head) is configured to print the meter stamp on the media.

Further, the imaging apparatus can include a main processor and a meter vault. The meter vault can include a meter vault memory, and a meter vault program. The meter vault memory is configured to store a value of postage which can be printed by the meter stamp printer. The meter vault program is configured to authorize the printing of the meter stamp on the media using the meter stamp printer, and the main processor can be configured to generate the image on the media using the electrophotographic print engine. Specifically, the meter vault program can be configured to instruct the main processor to print the meter stamp on the media using the meter stamp print head (which is typically an ink-jet print head) when the printing of a meter stamp has been authorized by the vault processor. The meter stamp program thus assists in providing security to the vault memory so that unauthorized printing of a meter stamp is unlikely to occur.

The imaging apparatus can include a meter vault processor separate from the main processor. The meter vault program can be configured to instruct the meter vault processor to instruct the meter stamp print engine to print the meter stamp on the media using the meter stamp head when the printing of a meter stamp has been authorized by the meter vault program. A communication device can be provided to allow the main processor to receive postage value from a remote source (such as the Internet) and to save the postage value in the meter vault memory.

In one configuration the imaging apparatus is in communication with a printer driver program. The printer driver program can be configured to receive a print file comprising electronic representations of the image (such as a recipient address for an envelope) and the meter stamp. The printer drive program is configured to transmit the electronic representations of the (non-stamp) image to the electrophotographic print engine, and to transmit the electronic representations of the meter stamp to the meter vault program.

In another embodiment, the present invention provides for an imaging system having an imaging device comprising an electrophotographic imaging section capable of generating an image on media using an electrophotographic imaging process, and a meter stamp printer capable of printing on the media a meter stamp defined by a stamp value. The imaging system can further include a postage meter comprising a vault for storing a value of postage which can be printed by the meter stamp printer. The system can also have a computer configured to allow a user to instruct the imaging device to generate an image on the media using the electrophotographic imaging section, to print a meter stamp on the media using the meter stamp printer, and to obtain the stamp value from the meter vault. The meter stamp printer can be a meter stamp unit detachably connectable to the imaging device, and can print the meter stamp using an ink jet printer.

In one variation the imaging device includes an imaging device processor and an expansion module interface. The postage meter can be a module configured to be received within the expansion module interface, and the imaging device processor can perform the printing of the meter stamp as directed by the postage meter.

A third embodiment of the present invention includes an attachment for an electrophotographic imaging device. The imaging device has an electrophotographic imaging section capable of generating an image on media using an electrophotographic imaging process. The attachment comprises a meter stamp printer capable of printing a meter stamp on the media. Preferably, the meter stamp printer comprises an ink jet print head for the printing of the meter stamp using a designated fluorescent ink. The meter stamp printer can comprise a meter stamp print engine configured to cause the ink jet print head to print a meter stamp upon receipt of an instruction from a meter vault program.

These and other aspects and embodiments of the present invention will now be described in detail with reference to the accompanying drawings, wherein:

DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic diagram of an imaging apparatus provided with a meter stamp imaging device, in accordance with a first embodiment of the present invention.

Fig. 2 is a depiction of an exemplary envelope which can be addressed, and printed with a meter stamp, using the apparatus of Figs. 1 or 3.

Fig. 3 is a schematic diagram of an electrophotographic imaging apparatus provided with a meter stamp imaging device, in accordance with a second embodiment of the present invention.

Fig. 4 is a schematic diagram depicting one architecture of software which can be used to implement the methods of the present invention.

Fig. 5 is a depiction of an exemplary user interface display which can be used to allow the apparatus of Figs. 1 and 3 to address and print a meter stamp on an envelope or the like.

Fig. 6 is a depiction of a flow chart showing the steps of printing an envelope with a meter stamp in accordance with the present invention.

DETAILED DESCRIPTION OF THE INVENTION

My invention provides methods and apparatus for printing a meter stamp on printable media using an imaging apparatus, and more particularly an electrophotographic ("EP") imaging apparatus or device. In its simplest form, the invention includes providing an imaging apparatus (having an EP imaging section) with a separate meter stamp printer that uses authorized ink to print a meter stamp, whereas the imaging apparatus uses the EP imaging section to generate other images. A single piece of printable media (such as an envelope) can be printed with an image using the EP imaging components of the imaging apparatus, as well as with a meter stamp using the meter stamp printer. Preferably, the meter stamp printer shares certain components with the EP imaging section. However, the security protocols to guard against unauthorized printing of a meter stamp can be maintained by use of a meter stamp program. The meter stamp printer can be integrated with the imaging apparatus, or it can be an add-on accessory which can be added to an EP imaging apparatus. A number of different configurations can be employed to implement the present invention, as will be described below.

The present invention uses an EP imaging apparatus to support (functionally and/or physically) a meter stamp printing unit. As described above, an EP imaging apparatus can be a printer, a photocopier, or any device which uses EP imaging components to generate an image on

media, such as paper or the like, using an EP imaging process. The typical EP imaging apparatus uses the EP imaging components and process described above in the section entitled, "Background of the Invention" in order to generate an image. The meter stamp printer used in conjunction with the present invention does not use an EP imaging process to print the meter stamp, but instead uses an ink printing process, and preferably an ink-jet printing process. Ink-jet printing is well understood in the art, and need not be described herein in detail.

For purposes of the following discussion, I will use the term "meter stamp" to refer to any printing which signifies recognized postage value (i.e., recognized by a competent authority such as the U.S. Postal Service ("USPS")). A meter stamp can be printed directly on the object to be mailed, such as an envelope or a post card, and it can also be printed on a label or a tape and then subsequently applied to the object to be mailed.

Turning now to Fig. 1, a first embodiment of the present invention is depicted in a schematic diagram. I will first describe the components of the imaging system 10 of Fig. 1, and I will then describe methods of operation of the system 10. The imaging system 10 of Fig. 1 comprises an imaging apparatus 100, a postage meter 200, and a computer 300, all of which are in electronic signal communication with one another. The imaging apparatus 100 comprises an electrophotographic ("EP") imaging section capable of generating an image on media using an electrophotographic imaging process. The imaging apparatus 100 further includes a meter stamp printer 130. The imaging apparatus 100 is configured to generate non-meter stamp images on printable media, and, or alternately, to print a meter stamp (metered postage) on the printable media. The printable media can be, by way of example only, paper "M", supported in the first media inlet (or tray) 110, and envelopes "E", supported in the second media inlet (or tray) 112. The printable media is moved by powered rollers 115, 116 and 117 through a media path in the imaging apparatus, defined by media guides 116. The imaged media is then deposited in the media outlet (or discharge tray) 140 as finished product "FP".

The EP imaging section comprises an exposure section 124 for exposing a photoconductive material supported on a rotating transfer belt 126, as well as a developing section 122 for developing the exposed photoconductive material. The developing process is typically performed using toner. The toner is then fused to a sheet of media ("M" or "E") using the fusing section 120. It should be appreciated that the EP imaging apparatus 100 depicted in Fig. 1 is exemplary only, and that other configurations can be employed to equal effect. For example, the photoconductive material can be supported on a drum, rather than on the belt 126. Also, rather than use the "in-line" EP imaging process depicted in Fig. 1, the toner can be transferred from the photoconductor to an intermediate transfer device, such as a belt, and then from the intermediate transfer device to the sheet of media. This latter configuration is common in EP color printers to allow the (typically

four) base colors to be applied on top of one another to provide for a larger pallet of colors.

The imaging apparatus 100, as depicted, also includes an imaging apparatus main processor 102, such as a microprocessor, and electronic imaging apparatus memory 104, such as read-write random access memory ("RAM"), and/or read-only memory ("ROM"), which can be accessed by the processor 102. The memory can be in the form of memory modules 106 (MEM 1), 107 (MEM 2), and 108 (MEM 3), which can be mounted into an expansion module interface 109. The imaging apparatus 100 can also include electronic memory (not shown) which is not installed in the expansion interface 109, and which can include memory for temporarily storing files to be printed by the imaging apparatus, as well as a set of basic operating instructions (in the form of a program) for use by the main processor 102 to perform basic operational functions. The use of memory modules allows additional RAM memory to be added to the imaging apparatus (for example, so that a very large amount of data can be queued for printing), as well as functional programs (typically in the form of ROM) to add additional functionality to the imaging apparatus 100. For example, many imaging apparatuses allow for additional attachments, such as a sheet sorter, a stapler, and a sheet feeder, to be added to a basic functional model of the imaging apparatus. To support these attachments, software (i.e., a program which can be executed by the processor 102) is often added in the form of a ROM memory chip to the expansion interface 109. When I use the expression "software", I mean not only an executable program which can be stored on volatile memory media, but also so-called "firmware", which can be a set of executable instructions recorded on a memory device such as a ROM microchip. For purposes of the present invention, the use of the expansion interface 109 allows a memory chip to be added to support the meter stamp printer 130, as will be described further below. Finally, the imaging apparatus 100 includes a user interface 128, which is in electronic communication with the main processor 102.

The meter stamp printer 130 is capable of printing a meter stamp (defined by a stamp value) on the printable media. The meter stamp printer comprises a print head 132 (such as an ink-jet print head), print head control components 134, and an ink reservoir 136 which can hold the red fluorescent ink used to print metered postage. The ink reservoir 136 can be in the form of a replaceable cartridge. The print head control components 134 include the electrical, electronic and mechanical components used to move ink from the reservoir 136 to the print head 132, and to manipulate the projection of ink by the print head 132 so as to print a meter stamp in accordance with a predetermined design and postage value. The operation of the print head control components 134 can be controlled by a meter stamp program, which can be contained within a memory module (such as MEM2, 107), and executed by the main processor 102.

The postage meter 200 comprises a vault memory 220 and a vault processor 210. The vault memory 220 can be RAM memory. Although there is no

physical "vault", the vault memory can act as a meter "vault" for storing a value of postage which can be printed by the meter stamp printer 130. The vault processor can be considered as the "lock" on the "vault" to prevent unauthorized tampering with the value of the postage stored therein. The meter processor 210 is configured to execute a meter vault program which controls the addition of postage value to the vault memory 220, and also performs accounting functions for debiting the value of the postage in the vault as a result of use. The meter vault program can be stored in the meter vault memory 220. The operation of the meter vault program will be described more fully below.

The imaging system 10 also can include the computer 300. The computer 300 includes a processor 310, a computer memory 320, an interface 330, a user input device (such as keyboard 315), and a user display device (such as monitor 317). The computer 300 can be, for example, a personal computer or a workstation. The memory 320 can store applications programs which can be accessed by the user to perform various operations, such as authorizing the printing of a meter stamp using the meter stamp printer 130. The interface 330 can be a modem or a network interface card, or any other device which allows the user to communicate with a remote source, such as the Internet 360, via communication links 340 and 350. Accordingly, the computer 300 can be configured to allow a user to instruct the imaging apparatus 100 to generate an image (i.e., a non-meter stamp image) on printable media using the electrophotographic imaging section, and to print a meter stamp (defined by a stamp value) on the media using the meter stamp printer 130. Since the computer is in communication with the postage meter 200, the user can instruct the computer to obtain the stamp value from the meter vault (or more precisely, the meter vault memory 220).

It should be understood that Fig. 1 depicts but one arrangement of components that can be used to implement the present invention. I will discuss another imaging apparatus (400 of Fig. 3) which can also be used, as well as variations on the apparatuses 10 (Fig. 1) and 400 (Fig. 3), further below.

The imaging system 10 of Fig. 1 can be used to either print an image on printable media using only the EP imaging section of the imaging apparatus 100, or to print metered postage on printable media using the meter stamp printer 130. However, preferably the imaging system 10 allows a user to print both an image, as well as metered postage in the form of a meter stamp, on the same piece of printable media using only the imaging apparatus 100. In this manner a user can, for example, print an address and postage on the same envelope using a single apparatus. For example, Fig. 2 depicts an exemplary envelope "E" that has been printed with a return address 830, a delivery address 820, and a meter stamp 810. All three components can be printed on the same envelope using the imaging apparatus 100. The meter stamp 810 includes the location (city and state) of the postage meter, as well as the date of printing of the meter stamp, identified by the medallion 814. The meter stamp also includes the identity 818 of the authorizing authority (here, the U.S.

Postal Service), the name 816 of the manufacturer of the meter, and the value of postage 812 which is printed on the envelope. The meter stamp 810 can further include a variable message portion 815, which can be varied by the user to include messages such as a promotional message for a charity service. The selection for printing of all of the identified components on the envelope "E" can be accomplished by use of a user interface, such as the user interface display screen 600 of Fig. 5.

Fig. 5 depicts one possible display of a user interface 600 which can be used to generate an envelope such as envelope "E" of Fig. 2, using an imaging system such as system 10 of Fig. 1. The display 600 can be displayed using the display device 317 of Fig. 1, and can be generated by an applications program contained within the computer processor 310. The user interface 600 can be accessed via the keyboard 315 of Fig. 1. The display 600 of Fig. 5 can be generated by a word processing applications program, for example, and can be a feature offered as part of the applications program, or as part of an add-on feature to the applications program. The display 600 can be displayed, for example, when a user selects, "Print/Envelope" from the applications program. The display 600 includes a title box 602 displaying the function of the user interface (here, "PRINT ENVELOPE"). Boxes 606 allow the user to close or minimize the size of the interface 600. A RETURN ADDRESS box 610 allows the user to enter a return address 612 to be printed on the envelope. The return address will be printed using the EP components of the EP imaging apparatus. A return address "OPTIONS" button 614 allows the user to select different features for the return address, such as the appearance of the font. The interface 600 also includes a RECIPIENT ADDRESS box 620 to allow the user to enter the address 622 of the addressee. A recipient address "OPTIONS" button 624 allows the user to select different features for the recipient address, such as the appearance of the font. The interface 600 can also include an "ENVELOPE OPTIONS" button 640 to allow the user to access options for printing of the envelope, such as the size of the envelope, the orientation of the printing on the envelope, the number of envelopes to be printed, and so on. The feature particular to the present invention which is included in the user interface display 600 is the check-box 630 which allows a user to select whether or not to print a meter stamp on the envelope, and the postage value selection box 635 which allows the user to enter the value of the postage to be printed as part of the meter stamp. Once the user has made her selections, she can print the envelope using the "PRINT" button 642, or she can elect to cancel (and close) the user interface 600 using the "CANCEL" button 644.

Turning to Fig. 4, a schematic diagram 500 depicts the various "software" components that can be used to implement the present invention. As stated previously, when I use the expression "software", I mean a set of computer executable instructions, which can also be in the form of "firmware". The components can be stored as a series of computer executable steps in the various electronic memories of the apparatus 10 of Fig. 1, or 400 of Fig. 3. The components include an applications program 510, such as a word processing program, or an add-on to a word processing program, which allows the user to select printing of a meter

stamp, as well as the printing of other images (such as a recipient address). The applications program can be accessed by the user in the manner described above with respect to the user interface 600 of Fig. 5. The applications program 510 sends the parameters selected by the user to a printer driver program 520, which can be resident within the memory 320 of the computer 300 of Fig. 1. The printing parameters are sent to the printer driver program as a print file comprising separate electronic representations of the (non-meter stamp) image and the meter stamp. The printer driver program 520 is configured to separate the two components of the print file (the non-stamp image and the meter stamp image), and to transmit the electronic representations of the non-stamp image to the EP print engine program 530. The EP print engine program 530 arranges or formats the electronic representations of the non-stamp image into a format to be printed by the EP imaging section of the EP imaging apparatus (100 of Fig. 1), and the formatted image is then sent to the EP print engine 535 for printing by the EP imaging section.

The electronic representations of the meter stamp (i.e., a "meter stamp print file") are made available by the printer driver program 520 to a meter vault program 540. The meter stamp print file also includes information regarding the value of the postage to be printed as part of the meter stamp. The meter vault program 540 then queries the meter vault memory (220 of Fig. 1) to determine if sufficient postage value is available in the meter vault to print the value requested as part of the meter stamp. The meter vault program 540 can also debit the meter vault by the amount of postage to be printed as part of the meter stamp. When sufficient postage is available in the vault to print the meter stamp, the meter vault program 540 then encrypts or encodes the meter stamp print file and sends it to the meter stamp print engine program 550. If the meter stamp print engine program 550 recognizes the encrypted or encoded meter stamp print file, the program 550 then arranges or formats the meter stamp file into a format to be printed by the meter stamp printer (e.g., 130 of Fig. 1). The print-formatted meter stamp file is then sent to the meter stamp print engine 555 for printing by the meter stamp printer (here, identified as an ink-jet printer having print head 132 of Fig. 1, or 470 of Fig. 3). Unlike the EP print engine program 530, the meter stamp print engine program 550 is configured to format the meter stamp print file for printing only when the meter stamp print file is properly identified, either by encryption or by encoding. In this manner the EP print engine program 530 cannot be used to print an authorized meter stamp and thus bypass the meter vault accounting routines.

When a communication device, such as interface 330 of Fig. 1, or interface 430 of Fig. 3, is provided, then a postage purchasing application program 560 can be provided to allow postage to be purchased "on-line" from a remote source (360 of Fig. 1, or 480 of Fig. 3). The postage purchasing program 560 communicates with the remote source through a network communication program 570 (as for example, an Internet browser). The postage purchasing program 560 can be used to provide billing information for purchase of the postage, and can receive an

encoded message (or it can encode the message) from the remote source verifying that postage has been properly purchased. The encoded message can then be passed by the postage purchasing program 560 to the meter vault program 540. When the meter vault program recognizes that a properly encoded message has been received indicating that postage has been properly purchased, the meter vault program 540 can increment the postage value amount stored in the meter vault memory by the indicated amount. Thus, unless the message provided by the postage purchasing program 560 to the meter vault program 540 is properly encoded, the meter vault program will not increment the postage value stored in the meter vault, helping to avoid fraud.

Turning to Fig. 3, another imaging apparatus 400 is depicted in a schematic diagram. This imaging apparatus can also be used to implement the present invention. The imaging apparatus 400 includes many components which are the same as, or similar to, the EP imaging apparatus 100 of Fig. 1. These components are identified by the same identifier numbers in both figures, and so will not be specifically described with respect to the following description of the imaging apparatus 400 of Fig. 4. The imaging apparatus 400 includes an EP imaging section 122, 124, 126 (as described above with respect to imaging apparatus 100 of Fig. 1), as well as a main processor 402, a memory section 404, a user interface 428, and a network interface 430. However, whereas the meter stamp printer 130 of Fig. 1 is depicted as being integral with the EP imaging apparatus 100, in Fig. 4 the meter stamp printer comprises a separate, detachable attachment 460 which includes the meter stamp printer. This embodiment allows the meter stamp attachment 460 to be connected to the main body 401 of an expandable imaging apparatus by connectors 472. Certain EP imaging apparatuses allow a media discharge tray (such as tray 140 of Fig. 1) to be removed, and an attachment, such as a sorter or a stapler, to be attached to the main body 401 of the imaging apparatus. The meter stamp attachment 460 can be used for such an imaging apparatus, or for any EP imaging apparatus which provides for expansive functionality.

The EP imaging apparatus 400 is depicted as a "stand-alone" device. That is, it is not connected to a separate computer, as for example the computer 300 of Fig. 1. While in certain instances the imaging apparatus can be connected to a computer, for the purposes of the following discussion it will be assumed that the imaging apparatus is not connected to a computer. Rather, user input selections are made with the user input station 428, which includes a display device 429, as well as user input points (buttons) 431. The user input station 428 allows a user to add metered postage to a sheet of media (such as an envelope) to be processed by the imaging apparatus 400.

The meter stamp printing attachment 460, which is used to print a meter stamp on media, includes a media path guide 466 which extends the media path to the media outlet (output tray) 468. Powered rollers 412 can be used to move the printable media past the meter stamp print head 470. The attachment 460 also includes a meter stamp printer, which comprises a print head 470 (such as an ink-jet print head), print head control

components 462, and an ink reservoir 464 which can hold the red fluorescent ink used to print metered postage. The print head control components 462 include the electrical, electronic and mechanical components used to move ink from the reservoir 464 to the print head 470, and to manipulate the projection of ink by the print head 470 so as to print a meter stamp in accordance with a predetermined design and postage value. The operation of the print head control components 462 can be controlled by a meter stamp (or meter vault) program, which can be contained within a memory module such as METER MEM 409, and executed by the main processor 402.

The memory device 404 allows expandible memory modules 406 (MEM 1), 407, and 408 (MEM 3) to be added to the imaging apparatus 400 using the memory expansion module interface 405. One of the expansion modules can be a postage meter 407, comprising a meter vault memory 409 and a meter "vault" 411. The meter vault can include a meter vault program, as described above with respect to Fig. 4. In this way, printing of metered postage can be used without the need for a separate postage meter, as item 200 of Fig. 1. The meter memory 409 can store the available value of postage which can be printed by the meter stamp printing unit 460. The meter vault program, stored in the meter vault 411, can be used to provide accounting (debits and credits) to the meter memory 409. The meter vault program can also be used to authorize printing of a meter stamp by the meter stamp printer 460 by encrypting or encoding a meter stamp print file, which is subsequently transmitted to the print head control components 462 for printing of the meter stamp by the meter stamp print head 470. A meter stamp print engine program can also be contained within the print head control components 462, or it can be stored in the meter vault 411. All of the processing of the meter vault program can be performed by the main processor 402.

In this way, a user can select to print an envelope or the like, and add metered postage thereto, using the user interface 428. The user instructions are then transmitted to the main processor 402. An imaging apparatus program (accessed by the main processor 402) can then transmit the information to be imaged by the EP imaging section 122, 124, and 126 to an EP print engine program (530 of Fig. 4), and the meter stamp information to be printed by the meter stamp printer 460 is transmitted to a separate meter stamp print engine program (550 of Fig. 4). As a sheet of media (for example, an envelope "E" in media inlet 112) moves through the media path (defined by guides 116 and 112), the non-stamp image is imaged on the media using an EP imaging process. As the sheet of media is moved into the meter stamp printer attachment 460, the meter stamp is printed on the media using an ink deposition process (such as ink jet printing) using the meter stamp print head 470. The finished product, bearing both the EP image (such as an address) and the meter stamp, is deposited in media outlet (tray) 468.

The communications interface 430 can be used, in conjunction with a postage purchase program (560 of Fig. 4) and a network communications program (570 of Fig. 4), to acquire purchased postage from a remote

source 480. The postage purchase program can be stored in the meter vault module 411, and can communicate with the meter vault program (540, Fig. 4) to ensure that only recognized purchased postage is added to the meter vault memory 409.

As can be seen, the various executable program ("software") components of Fig. 4 can be stored in various memory components, and can be executed by different processors in an imaging system. For example, the imaging system 10 has three different processors - imaging apparatus processor 102, computer processor 310, and postage meter vault processor 210 - whereas the imaging apparatus 400 of Fig. 3 has only a single processor 402. So long as a meter vault program is provided to ensure that the meter stamp printer only prints metered postage when the security protocols have been confirmed, and so long as the meter vault memory cannot be accessed for crediting of postage other than through the security provided by the meter vault program, then any number of different configurations of components (processors, memory devices and software components) can be arranged to implement the present invention to allow a meter stamp printer to be incorporated into an EP imaging apparatus.

The present invention not only provides for an EP imaging apparatus (such as 100 of Fig. 1, or 400 of Fig. 3) which incorporates a meter stamp printer (130, 460, respectively), but the invention also provides for an attachment (as 460, of Fig. 3) for an electrophotographic imaging apparatus (as 400, Fig. 3) to allow the EP imaging apparatus to also print metered postage. As described above, the EP imaging apparatus comprises an electrophotographic imaging section capable of generating an image (i.e., a non-meter stamp image) on media using an electrophotographic imaging process. The meter stamp attachment 460 comprises a meter stamp printer (462, 470) capable of printing a meter stamp on the media. Preferably, the print head 470 is an ink jet print head. The meter stamp printer 460 can also comprise a meter stamp print engine which, as described above, can be the print engine 550 of Fig. 4, and which can be in the form of a software program stored in the print head control components 462, or in a separate memory location, such as the meter vault 411 of Fig. 3. As previously described, the meter stamp print engine is configured to cause the print head 470 to print a meter stamp upon receipt of an instruction from a meter vault program (such as meter vault program 540 of Fig. 4).

Turning to Fig. 6, a flow chart 700 is shown which depicts the steps of an exemplary "envelope printing program" which can be used to implement the present invention. The steps of the program depicted in the flow chart 700 can be implemented by a set of computer executable instructions, which can be executed by a processor, such as processor 310 of Fig. 1, to implement the program. The steps of the flow chart can be incorporated into one or more of the "software" components identified in Fig. 4. The exemplary process depicted in Fig. 6 is for the printing of an envelope. However, it should be understood that the process can also be applied to the printing of any media (such as a label or a postcard)

which can bear metered postage.

The envelope printing program 700 begins at step 702, when a user makes a selection to print an envelope. This can be accomplished when a user selects the PRINT button 642 of Fig. 5, using an applications program such as 510 of Fig. 4. The program then queries at step 704 whether "ADD POSTAGE" (selection 630 of Fig. 5, for example) has been selected. If not, then the program proceeds to step 706, wherein the envelope printing parameters (e.g., recipient address and return address) are transmitted to the electrophotographic print engine program (e.g., 530, Fig. 4) for printing of the envelope using only the EP printing components (e.g., 122, 124) of Fig. 1). Thereafter the envelope printing program ends at step 706.

However, if at step 704 the program determines that the user desires to print metered postage on the envelope, then at step 710 the program queries the meter vault program (e.g., 540 of Fig. 4) whether there is sufficient postage in the meter vault (e.g., meter vault memory 220, Fig. 1) to add the requested postage to the envelope. Following the query, at step 712 if it is determined that there is not sufficient postage value in the meter vault, then at step 714 the user is notified that there is insufficient postage available, and the user is queried if she still wishes to print the envelope, albeit without the meter stamp. If, at step 716, the user determines that she does not wish to print the envelope without the meter stamp, then at step 718 the envelope printing job is cancelled, and the processes ends at step 720. However, if at step 716 the user requests printing of the envelope, even without the metered postage, then the program proceeds to step 706 to print the non-meter stamp parameters of the envelope (using the EP imaging components only) in the manner described above.

If at step 712 it is determined that there is sufficient postage available in the meter vault to print the requested metered postage on the envelope, then at step 722 the envelope printing program transmits the non-meter stamp envelope printing parameters (e.g., recipient address and return address) to the EP print engine program (e.g., 530, Fig. 4) for printing by the EP imaging components. Then at step 724 the printer program 700 authorizes the meter vault program (e.g., 540, Fig. 5) to transmit the meter stamp printing parameters to the meter stamp print engine program (e.g., 550 of Fig. 4, wherein the meter stamp printer is an ink jet printer) so that the meter stamp can be printed by the separate meter stamp printer. Both the non-meter stamp parameters and the meter stamp parameters having now been transmitted for printing by the respective EP printing components and the meter stamp printing components, the program ends at step 720.

While the above invention has been described in language more or less specific as to structural and methodical features, it is to be understood, however, that the invention is not limited to the specific features shown and described, since the means herein disclosed comprise preferred forms of putting the invention into effect. The invention is,

therefore, claimed in any of its forms or modifications within the proper scope of the appended claims appropriately interpreted in accordance with the doctrine of equivalents.

Claims: EP 1265196 A1

1. An imaging apparatus (100, 400) comprising:

an electrophotographic imaging section (122, 124, 126) capable of generating an image (820, 830) on media (M, E) using an electrophotographic imaging process; and

a meter stamp printer (130, 460) capable of printing a meter stamp (810) on the media (M, E).

2. The imaging apparatus (100, 400) of claim 1, and wherein the meter stamp printer (130, 460) is an ink jet printer.

3. The imaging apparatus (100, 400) of claim 1, and wherein the meter stamp printer (130, 460) comprises a meter stamp unit (460) detachably connectable to the imaging apparatus (400).

4. The imaging apparatus (100, 400) of claim 1, and further comprising an electrophotographic print engine (530) configured to generate the image (820, 830) on the media (M, E) using the electrophotographic imaging section (122, 124, 126), and wherein the meter stamp printer (130, 460) comprises a meter stamp print engine (550) and a meter stamp print head (132, 470) responsive to the meter stamp print engine (550) and configured to print the meter stamp (810) on the media (M, E).

5. The imaging apparatus (100, 400) of claim 4, and further comprising a main processor (102, 310, 402), a meter vault (200, 407) comprising a meter vault memory (220, 409) and a meter vault program (540), and wherein:

the meter vault memory (220, 409) is configured to store a value of postage (812) which can be printed by the meter stamp printer (130, 460);

the meter vault program (540) is configured to authorize the printing of the meter stamp (810) on the media (M, E) using the meter stamp printer (130, 460); and

the main processor (102, 310, 402) is configured to generate the image (820, 830) on the media (M, E) using the electrophotographic print engine (530).

6. The imaging apparatus (100, 400) of claim 5, and further wherein the meter vault program (540) is configured to instruct the main processor (102, 310, 402) to print the meter stamp (810) on the media (M, E) using the meter stamp print head 132, 470) when the printing of a meter stamp (810) has been authorized by the meter vault program (540).

7. The imaging apparatus (100, 400) of claim 5, and further comprising a meter vault processor (210, 402), wherein the meter vault program (540) is configured to instruct the meter vault processor (210, 402) to instruct the meter stamp print engine (550) to print the meter stamp (810) on the media (M, E) using the meter stamp head (132, 470) when the printing of a meter stamp (810) has been authorized by the meter vault program (540).

8. The imaging apparatus (100, 400) of claim 5, and further comprising a printer driver program (520), and wherein the printer drive program (520) is configured to receive a print file comprising electronic representations of the image (820, 830) and the meter stamp (810), and further wherein the printer driver program (520) is configured to transmit the electronic representations of the image (820, 830) to the electrophotographic print engine (530), and to transmit the electronic representations of the meter stamp (810) to the meter vault program (540).

9. An attachment (460) for an electrophotographic imaging apparatus (400), the imaging device (400) comprising an electrophotographic imaging section (122, 124, 126) capable of generating an image (820, 830) on media (M, E) using an electrophotographic imaging process, the attachment (460) comprising a meter stamp printer 462, 464, 470) capable of printing a meter stamp (810) on the media (M, E).

10. The attachment (460) for an electrophotographic imaging apparatus (400) of claim 9, and wherein the meter stamp printer comprises an ink jet print head (470) and a meter stamp print engine (550), and wherein the meter stamp print engine (550) is configured to cause the ink jet print head (470) to print the meter stamp (810) upon receipt of an instruction from a meter vault program (540).

? ds

Set	Items	Description
S1	0	(METER (3N) LICENSE) (W) VENDOR (W) (USER? OR CUSTOMER?)
S2	0	(METER (3N) LICENSE) (W) (ISSU??? OR ASSIGN???) (W) VENDO-
	R?	
S3	57	(METER (3N) LICENSE) AND (ISSU??? OR ASSIGN???) AND VENDO-
	R?	
S4	0	(METER (3N) LICENSE) (W) WITHOUT (W) POSTAGE
S5	2	WITHOUT (4N) (METER (3N) LICENSE)
S6	0	S3 AND S5

? s print??? (w) without (w) license

Processing

Processing
Processing
Processing

```
Processing
Processed 10 of 26 files ...
Processing
Processed 20 of 26 files ...
Completed processing all files
    5967823 PRINT???
    18477883 WITHOUT
    2764078 LICENSE
S7      0 PRINT??? (W) WITHOUT (W) LICENSE
```

>>> Retrying request [1]

? s without (w) license

Processing
Processing

```
Processed 10 of 26 files ...
Processing
Completed processing all files
    18477883 WITHOUT
    2764078 LICENSE
S8      2599 WITHOUT (W) LICENSE
```

? s s3 and s8

```
    57 S3
    2599 S8
S9      0 S3 AND S8
```

? s s3/3,k/1-57

>>>Invalid syntax

? t s3/3,k/1-57

3/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9: Business & Industry(R)
(c) 2009 Gale/Cengage. All rights reserved.

01819656 Supplier Number: 24620330 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Web-to-Host Software: Unlock the Profits -- New packages help companies mine the big iron. But are e-commerce gains worth the performance and security pains?
(Number of vendors offer Web-to-host software packages that provide point-and-click access to mainframe data from anywhere in world; market

for Web-to-host software will reach \$1 bil in 2002, vs \$24 mil in 1997)

Data Communications , p 34

April 21, 1999

Document Type: Journal (United States)

Language: English **Record Type:** Fulltext

Word Count: 3254 (USE FORMAT 7 OR 9 FOR FULLTEXT)

(Number of **vendors** offer Web-to-host software packages that provide point-and-click access to mainframe data...)

ABSTRACT:

A number of **vendors** are offering Web-to-host software packages that provide point-and-click access to mainframe... ..partners, and customers access hosted corporate inventory and data. The full text tabulates information about **vendors** of Web-to-Host software, including product name, components, protocols, number of simultaneous users, architecture...

TEXT:

...easily, quickly, cheaply. Just link Web browsers to the big iron.

At least a dozen **vendors** say they are now offering Web-to-host software that furnishes point-and-click access...

...to buy, right? Hold on. Hard performance figures are hard to come by, so press **vendors** on their claims--and beware suspiciously high numbers. One way to get closer to the...

...packages are priced right doesn't mean costs should be overlooked; find out exactly how **vendors** charge for their wares, whether it's by concurrent user or according to some other...

...we're still way ahead of the game."

Open the Vault

At least a dozen **vendors** now sell Web-to-host software (see Table 1), and they're in on some...

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...

...corporate intranet.

At the host end, an SNA gateway strips off the IP encapsulation. Several **vendors** package this component with their software: Attachmate Corp. (Bellevue, Wash.), with its Host Access Server...

...which to compare the packages. And that leaves net managers at the mercy of the **vendors**, which measure performance in-house and are hardly modest in their claims.

Basically, **vendors** that supply a gateway with their products measure

performance by how many simultaneous users can...

...the Persona Insight. And that's made more complicated by the performance those third-party **vendors** claim. Novell, for instance, says that SAA for Netware can support as many as 10...

...runs limits the number of simultaneous users to 1,000.

As for claims made by **vendors** of Web-to-host software themselves, Esker Inc. (Stillwater, Okla.) is the most boastful: It...

...with the most modest claim: 500 simultaneous users.

So how should prospective buyers proceed? Pin **vendors** down and find out the exact type and size of the transaction used in their...

...to compare and contrast is to look at the architecture-specifically, by counting the "tiers."

Vendors take either a two-tier or a three-tier approach. With two tiers, the applet...

...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...

...t have to quit their Windows app to call up data with ActiveX scripts.

But **vendors** are aware of the download downsides, and many now design their applets to be downloaded...

...s hard drive. That cuts down on session-establishment time. But even then, according to **vendors** and analysts alike, prospective customers should stagger applet downloads: A few hundred undertaken simultaneously could...

...to the rest of the world, security should be a paramount concern. So what do **vendors** do to keep things safe? All offer elementary password authentication features. For many net managers...

...hypertext transfer protocol), the standard for encrypting Web traffic. Or they can go with the **vendors** that offer SSL (secure sockets layer) encryption to protect legacy data traversing the network. Of...

...identification number) to users. The data moving over the network is not that sensitive."

Other **vendors** say that assessment is wrong. Persoft engineers claim that scrambling one session with 128-bit...

...on the Web server that should be used for the encrypted session. That means different **vendors** implement different ports, which in turn means incompatibility when multiple products are involved.

Help may...

...implementations that rely on SSL will work only between the SNA gateways of those specific **vendors**. If other **vendors'** gateways are involved, there's no encryption. Three-tier configurations, on the other

hand, are...

...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...Host on Demand, Openconnect's Web Connect Pro, and Wall Data's Cyberprise.

The remaining **vendors** contend that customers are just beginning to add Web-to-host products to their networks...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says.

There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...

...sure the package furnishes the same printing support found in a terminal emulation environment. Most **vendors** bundle full printing support.

But Cisco, Hummingbird, and Persoft offer only limited functions. Users can...

...net managers can preconfigure the packages for each group or department requiring host access.

Most **vendors** set prices according to concurrent user; that means the customer is billed for a specific...

...Another general note on prices: Three-tier solutions tend to cost the most. And all **vendors** use volume discount pricing, which can lower price-per-user costs by as much as...

...This site furnishes training materials that can help net managers come up to speed on **issues** involving Web browser and SNA integration.

- <http://pclt.cis.yale.edu/pclt/COMM/SNA.HTM>...

Dialog eLink:

openurl

3/3,K/2 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

01889625 05-40617

It beats licking, but online postage isn't for everyone

Himowitz, Michael J

Fortune v140n6 pp: 278

Sep 27, 1999

ISSN: 0015-8259 Journal Code: FOR

Word Count: 643

Abstract:

...surrendering their stamp books. One person's experience with E-stamp, the first PC postage **vendor** to win approval from the US Postal Service, is related. The company's \$49 startup...

Text:

...book.

I signed up with E-stamp of San Mateo, Calif., the first PC postage **vendor** to win approval from the U.S. Postal Service. The company's \$49 startup package...

...you download from E-stamp's Website so that you can print stamps offline. Rival **vendor** Stamps.com, which goes live Sept. 27, doesn't require special hardware, but you must...

...ll have to wait up to 24 hours for the Postal Service to approve your **meter license**. Eventually you'll be able to buy postage with a credit card, but for now...

...pre-addressed envelope or run off a bunch of labels.

Then there's the cost **issue**. E-stamp adds a 10% "convenience fee" to your purchases, with a minimum fee of...

...800-4estamp or surf to www.estamp.com. For a list of other PC postage **vendors**, check out the Postal Service Website at <http://ibip.tteam.com/html/pcpostage.html>.

(Illustration...

Dialog eLink:

open url

3/3,K/3 (Item 2 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

01812330 04-63321

Web-to-host software: Unlock the profits

Bruno, Lee

Data Communications v28n6 pp: 34-42

Apr 21, 1999

ISSN: 0363-6399 **Journal Code:** DCM

Word Count: 3076

Abstract:

At least a dozen **vendors** say that they are now offering Web-to-host software that furnishes point-and-click...

Text:

...easily, quickly, cheaply. Just link Web browsers to the big iron.

At least a dozen **vendors** say they are now offering Web-to-host software that furnishes point-and-click access...

...to buy, right? Hold on. Hard performance figures are hard to come by, so press **vendors** on their claims-and beware suspiciously high numbers. One way to get closer to the...

...packages are priced right doesn't mean costs should be overlooked; find out exactly how **vendors** charge for their wares, whether it's by concurrent user or according to some other...

...Table Omitted)

Captioned as: Table 1:

(Table Omitted)

OPEN THE VAULT

At least a dozen **vendors** now sell Web-to-host software (see Table 1), and they're in on some...

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...

...corporate intranet.

At the host end, an SNA gateway strips off the IP encapsulation. Several **vendors** package this component with their software: Attachmate Corp. (Bellevue, Wash.), with its Host Access Server...

...which to compare the packages. And that leaves net managers at the mercy of the **vendors**, which measure performance in-house and are hardly modest in their claims.

Basically, **vendors** that supply a gateway with their products measure performance by how many simultaneous users can...

...the Persona Insight. And that's made more complicated by the performance those third-party **vendors** claim. Novell, for instance, says that SAA for Netware can support as many as 10...
...runs limits the number of simultaneous users to 1,000.

As for claims made by **vendors** of Web-to-host software themselves, Esker Inc. (Stillwater, Okla.) is the most boastful: It...

...with the most modest claim: 500 simultaneous users.

So how should prospective buyers proceed? Pin **vendors** down and find out the exact type and size of the transaction used in their...

...to compare and contrast is to look at the architecture-specifically, by counting the "tiers."

Vendors take either a two-tier or a three-tier approach. With two tiers, the applet...

...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...

...t have to quit their Windows app to call up data with ActiveX scripts. But **vendors** are aware of the download downsides, and many now design their applets to be downloaded...

...s hard drive. That cuts down on session-establishment time. But even then, according to **vendors** and analysts alike, prospective customers should stagger applet downloads: A few hundred undertaken simultaneously could...

...to the rest of the world, security should be a paramount concern. So what do **vendors** do to keep things safe? All offer elementary password authentication features.

For many net managers...

...hypertext transfer protocol), the standard for encrypting Web traffic. Or they can go with the **vendors** that offer SSL (secure sockets layer) encryption to protect legacy data traversing the network. Of...

...identification number] to users. The data moving over the network is not that sensitive."

Other **vendors** say that assessment is wrong. Persoft engineers claim that scrambling one session with 128-bit...on the Web server that should be used for the encrypted session. That means different **vendors** implement different ports, which in turn means incompatibility when multiple products are involved.

Help may...

...implementations that rely on SSL will work only between the SNA gateways of those specific **vendors**. If other **vendors'** gateways are involved, there's no encryption. Three-tier configurations, on the other hand, are...

...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...Host on Demand, Openconnect's Web Connect Pro, and Wall Data's Cyberprise.

The remaining **vendors** contend that customers are just beginning to add Web-to-host products to their networks...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says. There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time

on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...

...sure the package furnishes the same printing support found in a terminal emulation environment. Most **vendors** bundle full printing support. But Cisco, Hummingbird, and Persoft offer only limited functions. Users can ...

...net managers can preconfigure the packages for each group or department requiring host access.

Most **vendors** set prices according to concurrent user; that means the customer is billed for a specific...Another general note on prices: Three-tier solutions tend to cost the most. And all **vendors** use volume discount pricing, which can lower price-per-user costs by as much as ...

Dialog eLink:

[open url](#)

3/3,K/4 (Item 3 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

01334099 99-83495

Enterprise deployment

Blumenthal, Holly

InfoWorld v18n47 pp: 120-121

Nov 18, 1996

ISSN: 0199-6649 **Journal Code:** IFW

Word Count: 1732

Abstract:

...Corp.'s Systems Management Server (SMS) 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

Text:

...itself. (See screen shot, page 107.)

Further control over intersite communication is made possible by **assigning** priority levels on an hourly basis for the outbox associated with each site address. These priorities are then compared with the priorities **assigned** to the jobs themselves to determine when and how jobs should be moved across sites. (See screen shot, below.)

SMS doesn't handle security **issues** itself, instead leveraging its integration with SQL Server. All security for the SMS administrator console is done within SQL Server by **assigning** SQL Server IDs rights to SMS'

various tables. The SMS Security Manager utility provides a...

...rights within the SMS database, either freeform or by using templates. A user can be **assigned** Full, View, or No Access to each major management object (package, alerts, jobs, machine groups...

...configurations within a site were amplified when crossing sites, but once we understood all the **issues** involved in getting it set up, the remote control ran nearly as well across our distribution job-laden WAN links as it did within a single site.

Express **Meter** provides excellent **license**-metering functions, but they must be deployed and maintained outside of SMS. Fortunately, Express Meter...a specified time period. SMS has specific support for MIF files created by third-party **vendors**, processing them and adding their data to its database automatically. Once the data is imported...

Dialog eLink:

[open url](#)

3/3,K/5 (Item 4 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

01334092

99-83488

Desktop management solutions: A question of scale

Blumenthal, Holly

InfoWorld v18n47 pp: 102-103

Nov 18, 1996

ISSN: 0199-6649 **Journal Code:** IFW

Word Count: 1815

Abstract:

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

Text:

...of the repetitive and timeconsuming desktop administration tasks. Should you believe claims of desktop management **vendors** who say their products now deliver centralized performance across the enterprise? From our experiences in...

...seeks to solve the desktop management problem with formerly LAN-based solutions, partly because these **vendors** are making new enterprise-scale claims for their revamped packages and partly because their evolution...

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate

WinInstall package-creation tools from Seagate Software, Network and Systems Management...

...l-designed components in Windows 95 and doesn't even begin to address the myriad **issues** introduced by Windows NT clients.

In terms of meeting our policy needs, Norton Administrator's...to installing a Windows NT server at each site, which carries its own set of **issues**, especially in NetWare-focused shops.
(Illustration Omitted)

Captioned as: A guide to this comparison

(Table...

...its core. Combining SMS with Wininstall addressed SMS' lack of package-creation tools, and Express **Meter** provided top-notch **license** metering, although neither package was as fully integrated with SMS as we would have liked...

Dialog eLink:

openurl

3/3,K/6 (Item 5 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

00915865 95-65257

Network management software for NetWare LANs

Ferrill, Paul

InfoWorld v16n38 pp: 108-121

Sep 19, 1994

ISSN: 0199-6649 **Journal Code:** IFW

Word Count: 11011

Text:

...software packages can help with the multitasking.

In this product comparison, we look at four **vendors'** products that can handle many LAN administration tasks, including network monitoring, workstation management, client and...

...one or a few network management functions; we'll review those products separately in future **issues**. (See "Other products for network management," page 120, for a partial list.)

For this product...

...manager, we started with a survey of our readers who administer networks to see what **issues** most concerned them. In network monitoring, the most important **issue** was activity logs--capturing the history of traffic and alarms. For workstation management there were...

...it's one of their highest-ranked concerns--right behind free technical

support from the **vendor**.

NOVELLS PATH. In an effort to leverage its market leadership to other networking areas, Novell...

...network management," page 116, and "Untangling the network," July 18, page 51.)

Some of the **vendors** in this comparison have already implemented ways to "snap into" NMS with their products. Intel...

...Interface Manager for NMS greatly extends the types of alarms that NMS now provides.

THE **VENDORS**. Each of these **vendor** takes a different approach to network management. Frye has its Swiss Army knife approach, in...loaded a number of obscure executables, including shareware and freeware, to see

how detailed the **vendor** databases were. We looked at what flexibility the administrator had in scheduling inventory scans, how...
SUPPORT:

Support policies: We awarded a satisfactory score for unlimited free telephone support from the **vendor**. We added bonus points for support via a fax-back service, on-line services (CompuServe...
...technical support scores on the quality of service we received during multiple anonymous calls to **vendors** and on the availability of knowledgeable technicians. We gave bonus points for efficient and accurate...network monitoring, and it's the only product in this comparison that puts all the **vendor's** tools in a single Windows product.

The main new item is "snap-in" compatibility...did not test this. We reviewed LANlord, Version 2.0, in the Sept. 13, 1993, **issue** (see "LANlord 2.0 is robust workstation manager, page 93). XTree Tools for Networks, Version...limitation). Database insertions happen at the rate of just two per second, according to the **vendor**; a 5,000-file update would take more than 41 minutes.

The hardware inventory is...

...simply track its usage. All metering is done on a group basis; thus we could **assign** a certain number of copies to one group and a different number to another group. LANlord also gave us the flexibility of **assigning** licenses by individual group or by the group "All," to which everybody belongs.

Users attempting...

...On the other hand, LANlord has no software distribution utility and for now can't **meter** a one-user **license**. Score: Good (62.50).

Company information: Symantec Corp., in Cupertino, Calif., can be reached at...the event agent, on the other hand, you have more flexibility; for example, you could **assign** a different level of alarm for a disk that was 60 percent full than for...four products were relatively close in this category; Frye and Saber were the only two **vendors** that offered a software distribution capability for updating or installing new programs.

LANlord provided the...

Dialog eLink:

[open url](#)

3/3,K/7 (Item 6 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

(c) 2009 ProQuest Info&Learning. All rights reserved.

00795988

94-45380

LAN tool enforces software licenses

Willett, Shawn

InfoWorld v15n49 pp: 45

Dec 6, 1993

ISSN: 0199-6649 **Journal Code:** IFW

Word Count: 364

Abstract:

hDC Computer Corp. recently introduced Express **Meter** 2.1, a **license** management product that tracks concurrent use of PC applications and enforces licensing agreements. Independent of...

Text:

...new tool to keep LAN managers one step ahead of the software piracy police.

Express **Meter** 2.1, a **license** management product for Windows applications, has been updated to work with DOS software. Express Meter...

...is exceeded, Express Meter can

lock users out and put them on a waiting list, **issue** a warning, or go into "quiet watch" mode. Davis said the quiet watch mode, used in cooperation with the application software **vendor**, re-evaluates the necessary number of licenses.

Managers can also **issue** reports on concurrent use and list those users waiting for particular applications.

Some users found...

3/3,K/8 (Item 1 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2009 Gale/Cengage. All rights reserved.

12668385 **Supplier Number:** 138181077 (USE FORMAT 7 FOR FULLTEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track

and Manage Components in Addition to Application Metering.

PR Newswire , p NA

Oct 31 , 2005

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 598

Supplier Number: (USE FORMAT 7 FOR FULLTEXT)

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/9 (Item 2 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2009 Gale/Cengage. All rights reserved.

07861815 **Supplier Number:** 65639118 (USE FORMAT 7 FOR FULLTEXT)

J.D. Edwards Announces General Availability of OneWorld Xe, the Collaborative Commerce Enabler for the Internet Economy.

PR Newswire , p NA

Oct 2 , 2000

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 1907

-

...requests, inquire on orders, receipts, inventory levels and payment information; and carriers can inquire on **assigned** loads and shipments.

Comprehensive Solution Set

```

OneWorld Xe will include some 300 Internet-ready applications...
Workbench
-- Certificate of Analysis
-- Lot Trace Track Management
-- Serial Number Trace Track Management
-- Inventory Management
-- Vendor Managed Inventory (VMI)
-- Container Management:
-- Container Deposit Inquiry
-- Container Transaction Inquiry
-- Container Serial Tracking
-- Container...

...Quote/Bid Entry
-- Requisition Workbench
-- Requisition Entry
-- Blanket and Contract Order Process
-- Change Order Process
-- Vendor Schedule Process
-- Landed Cost Calculator
-- Electronic Approval Process
-- Receiving Process (Non-Advanced Warehouse)
-- 2-way...

...Set-up
-- Templates
-- Budgeting
-- Commitments
-- Forecasting
-- Profit Recognition
-- Work-in-Progress Capitalization
-- Project Change Management:
-- Issue Identification
-- Change Request Processing
-- Budget Integration
-- Integrated Contract Awards
-- Proposed Change Order Processing
-- Change Order...

...Revenue Billing and Tracking
-- Plant and Equipment Maintenance Management:
-- Equipment/Component Relationships
-- Equipment/Component Workbench
-- Meter Readings Management
-- Permit/License Management
-- Cost Workbench by Repair/Reason Code
-- Equipment Time Billing
-- Equipment Location Tracking
-- Equipment Preventive...

```

3/3,K/10 (Item 3 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
(c) 2009 Gale/Cengage. All rights reserved.

06277279 **Supplier Number:** 54409747 (USE FORMAT 7 FOR FULLTEXT)

Web-to-Host Software: Unlock the Profits -- New packages help companies mine the big iron. But are e-commerce gains worth the performance and security pains?(Buyers Guide)

Bruno, Lee

Data Communications , p 34(1)

April 21 , 1999

Language: English **Record Type:** Fulltext

Article Type: Buyers Guide

Document Type: Magazine/Journal ; Trade

Word Count: 3368

-

At least a dozen **vendors** say they are now offering Web-to-host software that furnishes point-and-click access...

...to buy, right? Hold on. Hard performance figures are hard to come by, so press **vendors** on their claims-and beware suspiciously high numbers. One way to get closer to the...

...packages are priced right doesn't mean costs should be overlooked; find out exactly how **vendors** charge for their wares, whether it's by concurrent user or according to some other...

...we're still way ahead of the game."

Open the Vault

At least a dozen **vendors** now sell Web-to-host software (see Table 1), and they're in on some...

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...

...corporate intranet.

At the host end, an SNA gateway strips off the IP encapsulation. Several **vendors** package this component with their software: Attachmate Corp. (Bellevue, Wash.), with its Host Access Server...

...which to compare the packages. And that leaves net managers at the mercy of the **vendors**, which measure performance in-house and are hardly modest in their claims.

Basically, **vendors** that supply a gateway with their products measure performance by how many simultaneous users can...the Persona Insight. And that's made more complicated by the performance those third-party **vendors** claim. Novell, for instance, says that SAA for Netware can support as many as 10...

...runs limits the number of simultaneous users to 1,000.

As for claims made by **vendors** of Web-to-host software themselves, Esker Inc. (Stillwater, Okla.) is the most boastful: It...

...with the most modest claim: 500 simultaneous users.

So how should prospective buyers proceed? Pin **vendors** down and find out the exact type and size of the transaction used in their...

...to compare and contrast is to look at the architecture- specifically, by counting the "tiers."

Vendors take either a two-tier or a three-tier approach. With two tiers, the applet...

...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data

Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...

...t have to quit their Windows app to call up data with ActiveX scripts.

But **vendors** are aware of the download downsides, and many now design their applets to be downloaded...
...s hard drive. That cuts down on session-establishment time. But even then, according to **vendors** and analysts alike, prospective customers should stagger applet downloads: A few hundred undertaken simultaneously could...

...to the rest of the world, security should be a paramount concern. So what do **vendors** do to keep things safe? All offer elementary password authentication features.

For many net managers...

...hypertext transfer protocol), the standard for encrypting Web traffic. Or they can go with the **vendors** that offer SSL (secure sockets layer) encryption to protect legacy data traversing the network. Of...

...identification number] to users. The data moving over the network is not that sensitive."

Other **vendors** say that assessment is wrong. Persoft engineers claim that scrambling one session with 128-bit...on the Web server that should be used for the encrypted session. That means different **vendors** implement different ports, which in turn means incompatibility when multiple products are involved.

Help may...

...implementations that rely on SSL will work only between the SNA gateways of those specific **vendors**. If other **vendors'** gateways are involved, there's no encryption. Three-tier configurations, on the other hand, are...

...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...Host on Demand, Openconnect's Web Connect Pro, and Wall Data's Cyberprise.

The remaining **vendors** contend that customers are just beginning to add Web-to-host products to their networks...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says.

There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...

...sure the package furnishes the same printing support found in a terminal emulation environment. Most **vendors** bundle full printing support. But Cisco, Hummingbird, and Persoft offer only limited functions. Users can ...

...net managers can preconfigure the packages for each group or department requiring host access.

Most **vendors** set prices according to concurrent user; that means the customer is billed for a specific...

...Another general note on prices: Three-tier solutions tend to cost the most. And all **vendors** use volume discount pricing, which can lower price-per-user costs by as much as...This site furnishes training materials that can help net managers come up to speed on **issues** involving Web browser and SNA integration.

- <http://pclt.cis.yale.edu/pclt/COMM/SNA.HTM>...

3/3,K/11 (Item 4 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2009 Gale/Cengage. All rights reserved.

04687844 Supplier Number: 46900034 (USE FORMAT 7 FOR FULLTEXT)

A question of scale, part 2

InfoWorld , p 102

Nov 18 , 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 5771

-

...4.1.

Norton Administrator does support a number of licensing policies, making it easy to **assign** restrictive license metering on a per-application level, and software suites can be defined by...through the job-definition interface itself.

Further control over intersite communication is made possible by **assigning** priority levels on an hourly basis for the outbox associated with each site address. These priorities are then compared with the priorities **assigned** to the jobs themselves to determine when and how jobs should be moved across sites.

SMS doesn't handle security **issues** itself, instead leveraging its integration with SQL Server. All security for the SMS administrator console is done within SQL Server by **assigning** SQL Server IDs rights to SMS' various tables. The SMS Security Manager utility provides a... within the SMS database, either free-form or by using templates. A user can be **assigned** Full, View, or No Access to each major management object (package, alerts, jobs, machine groups...

...configurations within a site were amplified when crossing sites, but once we understood all the **issues** involved in getting it set up, the remote control ran nearly as well across our distribution job-laden WAN links as it did within a single site.

Express **Meter** provides excellent **license**-metering functions, but they must be deployed and maintained outside of SMS. Fortunately, Express Meter...

...a specified time period. SMS has specific support for MIF files created by third-party **vendors**, processing them and adding their data to its database automatically. Once the data is imported...a level of security and open up some possibilities for security breaches. Many third-party **vendors** that provide services for NT install this way without warning you.

ON THE HORIZON DMI...

...deal of the inventorying process and even provide notification of impending failure. Most desktop management **vendors** plan to implement DMI in the upcoming year, if possible.

VENDORS

Microsoft Corp. Redmond, Wash. (800) 426-9400 <http://www.microsoft.com>
Seagate Software, Network and...After looking into pricing these solutions in depth, we were not only left guessing by **vendors'** multischeme, multitier licensing options, but also by how we could possibly provide a score with...

...its core. Combining SMS with WinInstall addressed SMS' lack of package-creation tools, and Express **Meter** provided top-notch **license** metering, although neither package was as fully integrated with SMS as we would have liked...

...within Windows NT.

So far so good

With the arrival of Windows NT, desktop management **vendors** can now implement their client-side components (agents) either as traditional TSRs or as services...when only the traditional TSR version was installed on NT workstations. In pursuit of the **issue**, we uncovered more problems than we solved.

Uh oh...

Our test plan originally called for...

...and would have to manually change their default home page and other customized settings.

The **issue** boiled down to a combination of NT not providing a standard way for applications to...

3/3,K/12 (Item 5 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2009 Gale/Cengage. All rights reserved.

04687843 **Supplier Number:** 46900033 (USE FORMAT 7 FOR FULLTEXT)

A question of scale, part 1

InfoWorld , p 102

Nov 18 , 1996

Language: English **Record Type:** Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 5518

-

...the repetitive and time-consuming desktop administration tasks. Should you believe claims of desktop management **vendors** who say their products now deliver centralized performance across the enterprise? From our experiences in...

...seeks to solve the desktop management problem with formerly LAN-based solutions, partly because these **vendors** are making new enterprise-scale claims for their revamped packages and partly because

their evolution...

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

...1-designed components in Windows 95 and doesn't even begin to address the myriad **issues** introduced by Windows NT clients.

In terms of meeting our policy needs, Norton Administrator's...to installing a Windows NT server at each site, which carries its own set of **issues**, especially in NetWare-focused shops.

Implementation

SMS solution: SATISFACTORY

A product with goals as ambitious...by date, time, and number of changes.

The inventory scan also detects a number of **vendor**-specific configuration items, offering extra support for AST, Dell, Hewlett-Packard, Compaq, and IBM machines...

3/3,K/13 (Item 1 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

(c) 2009 Dialog. All rights reserved.

47927764

PR Newswire Summary of High Tech Copy, March 23, 2006

PR NEWswire (US)

March 23, 2006

Journal Code: WPRU **Language:** English **Record Type:** FULLTEXT

Word Count: 3183

-

...07:00 r f bc-PA-Agere-NVIDIA (ALLEN TOWN) Agere Systems Achieves NVIDIA Corporation Approved **Vendor** List for Gigabit Ethernet PHY Chip
SFTH019 03/23/2006 07:00 r f bc...03/23/2006 11:46 r f
bc-Power-Meter-Technolog (ZHUHAI) Actions Semiconductor to **License**
Its Power **Meter** Technology CLTH038 03/23/2006 11:47 r f
bc-OH-Diebold-Pointrac (NORTH CANTON...

...12:51 r f bc-CA-Clearwell-cool-ven (SANTA CLARA) Clearwell Systems
Named 'Cool **Vendor**' by Leading Analyst Firm SFTH055 03/23/2006
12:57 r f bc-CA-4INFO...

Descriptors: ...Law & Legal Issues;

Country Names/Codes:

3/3,K/14 (Item 2 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

(c) 2009 Dialog. All rights reserved.

45315257 (USE FORMAT 7 OR 9 FOR FULLTEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering

PR NEWSWIRE (US)

October 31, 2005

Journal Code: WPRU **Language:** English **Record Type:** FULLTEXT

Word Count: 533

(USE FORMAT 7 OR 9 FOR FULLTEXT)

-

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/15 (Item 3 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

(c) 2009 Dialog. All rights reserved.

13106719 (USE FORMAT 7 OR 9 FOR FULLTEXT)

J.D. Edwards Announces General Availability of OneWorld Xe, -2-

PR NEWSWIRE

October 02, 2000

Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT

Word Count: 1007

-

...Quote/Bid Entry -- Requisition Workbench -- Requisition Entry -- Blanket and Contract Order Process -- Change Order Process -- **Vendor** Schedule Process -- Landed Cost Calculator -- Electronic Approval Process

-- Receiving Process (Non-Advanced Warehouse) -- 2-way...

...Set-up -- Templates -- Budgeting -- Commitments -- Forecasting -- Profit Recognition -- Work-in-Progress Capitalization -- Project Change Management: -- **Issue** Identification -- Change Request Processing -- Budget Integration -- Integrated Contract Awards -- Proposed Change Order Processing -- Change Order...

...Revenue Billing and Tracking -- Plant and Equipment Maintenance Management: -- Equipment/Component Relationships -- Equipment/Component Workbench -- **Meter** Readings Management -- Permit/**License** Management -- Cost Workbench by Repair/Reason Code -- Equipment Time Billing -- Equipment Location Tracking -- Equipment Preventive...

3/3,K/16 (Item 4 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

(c) 2009 Dialog. All rights reserved.

09509867 (USE FORMAT 7 OR 9 FOR FULLTEXT)

HONG KONG: BUSINESS UPDATE

INTERNATIONAL MARKET INSIGHT REPORTS

February 10, 2000

Journal Code: FIMI **Language:** English **Record Type:** FULLTEXT

Word Count: 832

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...Authority (OFTA) announced an invitation for applications for satellite television uplink and downlink licenses. OFTA **issued** Guidance Notes for proposals to launch and operate a satellite to utilize the four Broadcasting Satellite Service (BSS) channels **assigned** by the International Telecommunication Union to Hong Kong. The four channels can be used to...

...received directly by viewers in Hong Kong using very small diameter (e.g., 0.4 **meter**) dishes. The **license** to launch a satellite will also allow the establishment and operation of radio communication stations...

...gov.hk. There is no pre-set ceiling on the number of licenses to be **issued**. Deadline for application is October 15, 1999.

For further information, interested U.S. companies may...

...sought must be capable of keeping fruit and vegetables fresh for at least 20 days. **Vendors** must be prepared to provide equipment installation, technical training and after-sale service. If these...

3/3,K/17 (Item 1 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB
(c) 2009 Gale/Cengage. All rights reserved.

0018868760 **Supplier Number:** 138181077 (USE FORMAT 7 OR 9 FOR FULL TEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering.

PR Newswire , NA

Oct 31 , 2005

Language: English

Record Type: Fulltext

Word Count: 598 **Line Count:** 00054

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/18 (Item 2 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
(c) 2009 Gale/Cengage. All rights reserved.

15562041 **Supplier Number:** 98372057 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Content analysis part 3: the content industry under analysis.

Solomon, Marc

Searcher , 11 , 3 , 68(5)

March , 2003

ISSN: 1070-4795

Language: English

Record Type: Fulltext

Word Count: 3719 **Line Count:** 00313

...approaches they could take to distance themselves from rivals. Three years into the 21st century **vendors** are managing market contraction--not growth. According to Outsell, the overall size of the Information...the market research firm Outsell, corporate content buyers continue to slash costs and narrow their **vendor** pools. Other changes portend a smaller pie to slice:

- * Content spending plunged from 49 percent sums up the current **vendor** consensus as a retreat from one-size-fits-all solutions. McCabe goes one step further...

...ruminates Joe Schehr, vice-president of Knowledge Management and Technology Solutions for LexisNexis. How do **vendors** reach back into their repositories and return the highest value-- ...to expect; that's why they browse while you and I search.

What if content **vendors** saw themselves in the anxiety-reduction business? What if they made it their business to... environment.

- * Package content according to user demands--not publisher supplies. Instead of providing raw output, **vendors** could try to reassure customers that their information services were as "aware," "experienced," or "expert" as the customers needed. Instead of hit lists, **vendors** would help customers not only to collect facts, but also to compare, validate, and discredit...hand, they still don't want to slog through piles of output to declare victory.

Vendor Side: Thinking Outside the In-Box
So what's holding content suppliers back from providing...business content is the re-licensing of the same content over and over." So most **vendors** stick to what they know--bundling news feeds under household publishing brands in a predictable...cost?

- * When does secondary information leave the recycle bin to fuel primary objectives?

- * Where can **vendors** take content from a commodity to value-added status?

Before we review some recent examples...worlds have not been rocked and they can logoff without disruption.

Opportunity: The Hype-O-Meter measures the **license** the media takes to inflate interest in stories unprovocative in their undistorted state. Reporting the...the past several years, the production and the consumption of integrated content have become overriding **issues** in both the academic and financial segments. A recent Accenture study claims that \$13 billion per ...points out, taxonomy services are a "core competence sold independent of any content."

Solution: Content **vendors** have archived and codified subscription media since the early 1970s. Unique company IDs, news, and...

...corporate portals snowed under from poor filtering and erratic content management practices. Internal adoption of **vendor** taxonomies brings order ...either when 1) customers have the internal tools to field outside questions, or 2) when **vendors** embed analytics in their products. Both approaches will help overwhelmed customers absorb, integrate, and apply...we stand out?

- * Reactive News -- How can we blend in?
How far away is the **vendor** community from fielding these questions? Take our Google-Nexis search test. Enter the query "a...

DIALOG(R)File 148: Gale Group Trade & Industry DB
(c) 2009 Gale/Cengage. All rights reserved.

12637180 **Supplier Number:** 65639118 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**J.D. Edwards Announces General Availability of OneWorld Xe, the
Collaborative Commerce Enabler for the Internet Economy.**

PR Newswire , NA

Oct 2 , 2000

Language: English

Record Type: Fulltext

Word Count: 1981 **Line Count:** 00226

...requests, inquire on orders, receipts, inventory levels and payment
information; and carriers can inquire on **assigned** loads and
shipments.

Comprehensive Solution Set

OneWorld Xe will include some 300 Internet-ready applications...

Workbench

- Certificate of Analysis
- Lot Trace Track Management
- Serial Number Trace Track Management
- Inventory Management
- **Vendor** Managed Inventory (VMI)
- Container Management:
- Container Deposit Inquiry
- Container Transaction Inquiry
- Container Serial Tracking
- Container...

...Quote/Bid Entry

- Requisition Workbench
- Requisition Entry
- Blanket and Contract Order Process
- Change Order Process
- **Vendor** Schedule Process
- Landed Cost Calculator
- Electronic Approval Process
- Receiving Process (Non-Advanced Warehouse)
- 2-way...

...Set-up

- Templates
- Budgeting
- Commitments
- Forecasting
- Profit Recognition
- Work-in-Progress Capitalization
- Project Change Management:
- **Issue** Identification
- Change Request Processing
- Budget Integration
- Integrated Contract Awards
- Proposed Change Order Processing
- Change Order...

...Revenue Billing and Tracking

- Plant and Equipment Maintenance Management:
- Equipment/Component Relationships

- Equipment/Component Workbench
- **Meter** Readings Management
- Permit/**License** Management
- Cost Workbench by Repair/Reason Code
- Equipment Time Billing
- Equipment Location Tracking
- Equipment Preventive...

3/3,K/20 (Item 4 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

(c) 2009 Gale/Cengage. All rights reserved.

09103916 **Supplier Number:** 18869793 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A question of scale. (Microsoft Systems Management Server, Symantec Norton Administrator desktop management solutions reviewed and compared) (includes related articles on results at a glance, managing Windows) (Software Review)(Evaluation)

Blumenthal, Holly

InfoWorld , v18 , n47 , p102(11)

Nov 18 , 1996

Document Type: Evaluation

ISSN: 0199-6649

Language: English

Record Type: Fulltext; Abstract

Word Count: 11927 **Line Count:** 00975

...the repetitive and time-consuming desktop administration tasks. Should you believe claims of desktop management **vendors** who say their products now deliver centralized performance across the enterprise? From our experiences in...

...seeks to solve the desktop management problem with formerly LAN-based solutions, partly because these **vendors** are making new enterprise-scale claims for their revamped packages and partly because their evolution...

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

...1-designed components in Windows 95 and doesn't even begin to address the myriad **issues** introduced by Windows NT clients.

In terms of meeting our policy needs, Norton Administrator's...to installing a Windows NT server at each site, which carries its own set of **issues**, especially in NetWare-focused shops.

Implementation

SMS solution: SATISFACTORY

A product with goals as ambitious...by date, time, and number of changes.

The inventory scan also detects a number of **vendor**-specific configuration items, offering extra support for AST, Dell, Hewlett-Packard,

Compaq, and IBM machines...4.1.

Norton Administrator does support a number of licensing policies, making it easy to **assign** restrictive license metering on a per-application level, and software suites can be defined by...

...through the job-definition interface itself.

Further control over intersite communication is made possible by **assigning** priority levels on an hourly basis for the outbox associated with each site address. These priorities are then compared with the priorities **assigned** to the jobs themselves to determine when and how jobs should be moved across sites.

SMS doesn't handle security **issues** itself, instead leveraging its integration with SQL Server. All security for the SMS administrator console is done within SQL Server by **assigning** SQL Server IDs rights to SMS' various tables. The SMS Security Manager utility provides a...

...within the SMS database, either free-form or by using templates. A user can be **assigned** Full, View, or No Access to each major management object (package, alerts, jobs, machine groups...

...configurations within a site were amplified when crossing sites, but once we understood all the **issues** involved in getting it set up, the remote control ran nearly as well across our distribution job-laden WAN links as it did within a single site.

Express **Meter** provides excellent **license**-metering functions, but they must be deployed and maintained outside of SMS. Fortunately, Express Meter...

...a specified time period. SMS has specific support for MIF files created by third-party **vendors**, processing them and adding their data to its database automatically. Once the data is imported...a level of security and open up some possibilities for security breaches. Many third-party **vendors** that provide services for NT install this way without warning you.

ON THE HORIZON DMI...

...deal of the inventorying process and even provide notification of impending failure. Most desktop management **vendors** plan to implement DMI in the upcoming year, if possible.

VENDORS

Microsoft Corp. Redmond, Wash. (800) 426-9400 <http://www.microsoft.com>
Seagate Software, Network and...

...After looking into pricing these solutions in depth, we were not only left guessing by **vendors'** multischeme, multitier licensing options, but also by how we could possibly provide a score with...its core. Combining SMS with WinInstall addressed SMS' lack of package-creation tools, and Express **Meter** provided top-notch **license** metering, although neither package was as fully integrated with SMS as we would have liked...

...within Windows NT.

So far so good

With the arrival of Windows NT, desktop management **vendors** can now implement their client-side components (agents) either as traditional TSRs or as services...

...when only the traditional TSR version was installed on NT workstations. In pursuit of the **issue**, we uncovered more problems than we solved.

Uh oh...

Our test plan originally called for...and would have to manually change their default home page and other customized settings.

The **issue** boiled down to a combination of NT not providing a standard way for applications to...

3/3,K/21 (Item 5 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
(c) 2009 Gale/Cengage. All rights reserved.

07522719 **Supplier Number:** 16251732 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LANlord 2.1 and XTree Tools for Networks 1.5. (Central Point Software's network management software suite) (one of four evaluations of four network management software suites) (Software Review) (Network Management Software for NetWare LANs) (Evaluation)

Ferrill, Paul
InfoWorld , v16 , n38 , p113(4)
Sept 19 , 1994
Document Type: Evaluation
ISSN: 0199-6649
Language: ENGLISH
Record Type: FULLTEXT; ABSTRACT
Word Count: 1738 **Line Count:** 00138

...did not test this. We reviewed LANlord, Version 2.0, in the Sept. 13, 1993, **issue** (see "LANlord 2.0 is robust workstation manager," page 93). XTree Tools for Networks, Version...
...limitation). Database insertions happen at the rate of just two per second, according to the **vendor**; a 5,000-file update would take more than 41 minutes.

The hardware inventory is done on a group basis; thus we could **assign** a certain number of copies to one group and a different number to another group. LANlord also gave us the flexibility of **assigning** licenses by individual group or by the group "All," to which everybody belongs.
Users attempting...

...On the other hand, LANlord has no software distribution utility and for now can't **meter** a one-user **license**. Score: Good (62.50).

Company information: Symantec Corp., in Cupertino, Calif., can be reached at...

3/3,K/22 (Item 6 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
(c) 2009 Gale/Cengage. All rights reserved.

07175687 **Supplier Number:** 15060180 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Integrated office suites. (most popular software in 1993) (includes

related article on network licensing issues) (Enterprise Computing)

Van Kirk, Doug

InfoWorld , v16 , n6 , p51(2)

Feb 7 , 1994

ISSN: 0199-6649

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 2599 Line Count: 00204

Integrated office suites. (most popular software in 1993) (includes related article on network licensing issues) (Enterprise Computing)

...few companies can resist.

There are some drawbacks, of course. For starters, no single software **vendor** is going to have the optimum package in every application category. Software suites have more...

...in a desire to exact customer loyalty as it is in the belief by each **vendor** that its products are the best.

Borland's approach to integration hinges on OBEX, the...programs.

Despite the integration efforts, it remains to be seen whether this is an important **issue** with users. None of the users we contacted for this story reported any significant integration...

...to be more consistent and easier to use than a mix of products from different **vendors**. In fact, all three of the suite publishers have taken pains to show how similar menus are across their products.

But some users aren't convinced it's an **issue**. Sara Lee Corp., in Chicago, is buying Microsoft Office for its laptop users, but not... difficult for network license managers to administer; only the Redmond-based HDC Corp.'s new **license** manager -- Express **Meter** -- is smart enough to automatically check out copies of other suite applications when one program...

3/3,K/23 (Item 7 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

(c) 2009 Gale/Cengage. All rights reserved.

06770373 Supplier Number: 14618356 (USE FORMAT 7 OR 9 FOR FULL TEXT)

LAN tool enforces software licenses: Windows app now supports DOS. (hDC Computer Corp.'s Express Meter 2.1 local area network management software) (Brief Article) (Product Announcement)

Willett, Shawn

InfoWorld , v15 , n49 , p45(1)

Dec 6 , 1993

Document Type: Product Announcement

ISSN: 0199-6649

Language: ENGLISH

Record Type: FULLTEXT

Word Count: 388 **Line Count:** 00029

Express **Meter** 2.1, a **license** management product for Windows applications, has been updated to work with DOS software. Express Meter...

...is exceeded, Express Meter can lock users out and put them on a waiting list, **issue** a warning, or go into "quiet watch" mode.

Davis said the quiet watch mode, used in cooperation with the application software **vendor**, re-evaluates the necessary number of licenses.

Managers can also **issue** reports on concurrent use and list those users waiting for particular applications.

Some users found...

3/3,K/24 (Item 8 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

(c) 2009 Gale/Cengage. All rights reserved.

06453596 **Supplier Number:** 13858705 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Recovery and redistribution: preliminary 1992 financial results and 1993 outlook. (US information technology industry) (Industry Overview)

Computer Industry Report , v28 , n8 , p1(7)

Feb 26 , 1993

Document Type: Industry Overview

ISSN: 0889-082X

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 5259 **Line Count:** 00405

Text:

For U.S.-based **vendors** as a whole, recovery was the keyword for 1992. The U.S. IT market for...

...was often redistribution: the redistribution of market shares to the quickest, most flexible and reactive **vendors** within sectors and the redistribution of IT spending towards software and services. The U.S...

...mistakes and bureaucratic lassitude as recession.

IDC's database of over 100 U.S.-based **vendors'** quarterly financial results indicates the following:

* Composite revenue grew 9% in 1992 over 1991, 8...

...semiconductor manufacturers whose products represent a considerable degree of revenue double-counting with the hardware **vendors** in the sample.

* Without the burden of IBM, the composite revenue of the remaining companies would have risen 14%. Without the major traditional systems

vendors in the sample (Amdahl, Control Data Systems, Cray, Data General, Digital, Hewlett-Packard, IBM, Tandem...

...should free more money for IT. However, the cautious stance of IT buyers suggests that **vendors'** U.S. revenue growth will be more or less on a par with 1992 results...

...following discussion of separate sections of the IDC database will address some of the pressing **issues** creating these divisions.

Computer Systems

The contrast between winners and losers does not get much...s pretax income slipped 33%).

As for the Intel/standard RISC base, many of the **vendors** (e.g., Data General, Bull, and Unisys) are still straddling proprietary and "open" architectures, with...

...business on Intel-based platforms, but a lot of it didn't go to midrange **vendors**. A couple of years ago regular PCs running Unix became adequate mini substitutes if customers...

...before users will transfer most of their significant computing tasks to linked PCs. However, midrange **vendors** are betting that coexistence with PC LANs in a client/server environment is the wave...

...industry winners in 1992 because it excludes the PC business of IBM and other systems **vendors** and the no-name privately held companies that lost market share. The strong showing of the **vendors** in the database testifies to their market share gains, based on their ability to deliver...

...IDC's annual census of computer shipments indicate an unprecedented degree of consolidation, with many **vendors** cited in previous editions of the census vanishing altogether.

Moreover, even the strong companies have...But suppliers will not be focused on price alone. They will emphasize service and support **issues** and enhanced feature sets and will attempt to augment existing channel relationships and tap new...

...fourth quarter reveals a flourishing LAN/internetwork market, which dominates the sample of data communications **vendors** in the IDC database. The strong demand for LAN products in 1992 surpassed even our...

...due to PC pricing pressures and market dynamics. Because the channels remain in flux, however, **vendors** in this sector will have to continue to adjust rapidly to changing conditions. Among the...

...reshaping channel directions are the move towards direct-response sales by PC manufacturers and systems **vendors** and the emergence of alternative-channel retailers such as Circuit City ...biggest losers in software in 1992, though, would not appear in our database: the systems **vendors**. The 21% annual growth in the software section would drop to 14% if IBM's weak software revenue were added to the total of independent software **vendors'** incomes. IDC's software program has estimated on the basis of a broader sampling of...

...U.S. ISVs grew at an average 19% in 1992, the software business of systems **vendors** grew only 5%.

Systems **vendors** were hurt by their dependence on proprietary, often mainframe-oriented solutions. They still managed double...

...systems and other data-center-oriented programs like IBM's SystemView. Even when a systems **vendor** has best-of-breed code, as Digital has with its sophisticated middleware for tool interoperation...

...market by declining to move its software to a wide range of other platforms.

Similar **issues** helped determine the winners and losers in the high-end segment of the software market. **Vendors** typically prospered if they were quick to respond to such market influences as downsizing, cross-platform interoperability, and Unix. Data center **vendors** such as Legent swiftly addressed these trends and emerged with strong yearly growth. Oracle and...

...and licensing terms that do not dictate or obstruct their topology choices. Currently a few **vendors** are examining the option of embedded **license** management software to **meter** concurrent users. IDC expects the first practical implementations of this innovation in 1993.

Among others...

...continue their high-growth trajectory in 1993. However, CASE is still intimidating for many users; **vendors** are finding that it is easier to sell CASE components through work-benches rather than...

...bundle. Finally, 1992 saw the trend towards mergers shifting instead to development partnerships. Although major **vendors** will continue to buy smaller companies to supplement their current activities (CA, for example, still...U.S. semiconductor manufacturers gained share against the Japanese. The strong showing of U.S. **vendors** contributed to the turnaround, but so too did the effect of the weak Japanese economy...

...tax margins staying in the 6-7% range. The growth story extended to many systems **vendors** as well. IBM's new services revenue column ballooned 32% in 1992, and grew from...

...a warning that, while IDC continues to project strong double-digit growth for U.S. **vendors'** professional services business for the next several years, there are inherent limits on growth for...

...competition over the next five years between companies specializing in professional services and the systems **vendors** like IBM and Digital. PS **vendors** will argue that they avoid the inherent biases towards a specific hardware or software solution that systems **vendors** would inevitably bring to the table. Systems **vendors** will counter that they understand the environment and **issues** in commercial computing better than the Beltway bandits.

To a significant degree, they will both...

3/3,K/25 (Item 1 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)
(c) 2009 Gale/Cengage. All rights reserved.

02686540 **Supplier Number: 98372057 (Use Format 7 Or 9 For FULL TEXT)**
Content analysis part 3: the content industry under analysis.

Solomon, Marc
Searcher , 11 , 3 , 68(5)
March , 2003

ISSN: 1070-4795

Language: English Record Type: Fulltext

Word Count: 3719 Line Count: 00313

...approaches they could take to distance themselves from rivals. Three years into the 21st century **vendors** are managing market contraction--not growth. According to Outsell, the overall size of the Information...the market research firm Outsell, corporate content buyers continue to slash costs and narrow their **vendor** pools. Other changes portend a smaller pie to slice:

* Content spending plunged from 49 percent sums up the current **vendor** consensus as a retreat from one-size-fits-all solutions. McCabe goes one step further...

...ruminates Joe Schehr, vice-president of Knowledge Management and Technology Solutions for LexisNexis. How do **vendors** reach back into their repositories and return the highest value-- ...to expect; that's why they browse while you and I search.

What if content **vendors** saw themselves in the anxiety-reduction business? What if they made it their business to... environment.

* Package content according to user demands--not publisher supplies. Instead of providing raw output, **vendors** could try to reassure customers that their information services were as "aware," "experienced," or "expert" as the customers needed. Instead of hit lists, **vendors** would help customers not only to collect facts, but also to compare, validate, and discredit...hand, they still don't want to slog through piles of output to declare victory.

Vendor Side: Thinking Outside the In-Box

So what's holding content suppliers back from providing...business content is the re-licensing of the same content over and over." So most **vendors** stick to what they know--bundling news feeds under household publishing brands in a predictable...cost?

* When does secondary information leave the recycle bin to fuel primary objectives?

* Where can **vendors** take content from a commodity to value-added status?

Before we review some recent examples...worlds have not been rocked and they can logoff without disruption.

Opportunity: The Hype-O-Meter measures the **license** the media takes to inflate interest in stories unprovocative in their undistorted state. Reporting the...the past several years, the production and the consumption of integrated content have become overriding **issues** in both the academic and financial segments. A recent Accenture study claims that \$13 billion per ...points out, taxonomy services are a "core competence sold independent of any content."

Solution: Content **vendors** have archived and codified subscription media since the early 1970s. Unique company IDs, news, and...

...corporate portals snowed under from poor filtering and erratic content management practices. Internal adoption of **vendor** taxonomies brings order ...either when 1) customers have the internal tools to field outside questions, or 2) when **vendors** embed analytics in their products. Both approaches will help overwhelmed customers absorb, integrate, and apply...we stand out?

* Reactive News -- How can we blend in?

How far away is the **vendor** community from fielding these questions? Take our Google-Nexis search test. Enter the query "a...

3/3,K/26 (Item 2 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

(c) 2009 Gale/Cengage. All rights reserved.

01857771 **Supplier Number:** 17497342 (Use Format 7 Or 9 For FULL TEXT)

Buyer's guide: application-metering tools. (Funk Software's Appmeter 1.1, Tally Systems' Centameter 2.0, Express Systems' Express Meter 3.0 and ON technology's SofTrack 2.5a network inventory software) (Software Review)(Evaluation)

Boyle, Padraic

PC Magazine , v14 , n20 , p260(2)

Nov 21 , 1995

Document Type: Evaluation

ISSN: 0888-8507

Language: English **Record Type:** Fulltext; Abstract

Word Count: 1154 **Line Count:** 00094

Text:

...ensure that your company is complying with the law, they also save you money. Software **vendors** typically base licenses on concurrent use. Application-metering packages count and control concurrent users so...

...and Windows 95. The stubs are aliases of the program name and allow you to **assign** different numbers of licenses to groups of users you define. Preferential groups can be designated...

...user does not respond, requeue the request.

Unique among this group of products, the Express **Meter's** **License** Reclaiming feature can automatically close an application to retrieve licenses from crashed systems or to...

...that's idle for a period of time and other users are waiting for a **license**, Express **Meter** will close the application.

In addition to metering software, Express Meter can report the total ...

3/3,K/27 (Item 3 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

(c) 2009 Gale/Cengage. All rights reserved.

01853941 **Supplier Number:** 17507761 (Use Format 7 Or 9 For FULL TEXT)

Network management.(LAN Buyers Guide Issue)(Buyers Guide)

LAN Magazine , v10 , n10 , p201(51)

Oct 15 , 1995

Document Type: Buyers Guide

ISSN: 1069-5621

Language: English **Record Type:** Fulltext; Abstract

Word Count: 48741 **Line Count:** 04035

Network management.(LAN Buyers Guide Issue)(Buyers Guide)

...3.x and 4.x, VINES, and Windows NT. It duplicates data directly between different **vendor** databases. Replication alternatives include transaction-based, mirroring, and selective data duplication. It is fault tolerant...and provides reporting functions. It costs \$449 for 50 nodes.

U & G INFOSYSTEMS

LANWATCH MON **LICENSE METER** 1.01

LANWatch Mon **License Meter** 1.01, designed for NetWare

3.x and 4.x, automatically inventories software-only components...control server tasks. It can also distribute and control tasks at workstations. Its script capability **assigns** tasks, makes decisions, and executes jobs on target agents. It costs \$495 per server.

KNOZALL...

...can run automatically, and jobs can be processed 24-hours a day. Its script capability **assigns** tasks, makes decisions, and executes jobs on clients. It costs \$2,195 for 1 administrative...over NetWare 3.x, NetWare 4.x, and Windows NT. It tracks disk usage, applications **assigned** to users, permissions, and Windows files, such as INI. Configuration functions include application, user profiles...Fiber Optic training videos come in a set of 10 training tapes that address the **issues** and techniques in today's fiber industry. Titles include Introduction to Fiber Optics, Fiber Optic...agencies.

US WEST

INTERPRISE DATA NETWORK TRAINING

Interprise Data Network Training seminars include courses covering **vendor**-specific product training, environment-specific overviews, **vendor**-certification programs, and general datacom education. Courses are offered in cities nationwide and provide hands...

>>> Accession number 1728874 is unavailable

3/3,K/29 (Item 5 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

(c) 2009 Gale/Cengage. All rights reserved.

01699761 **Supplier Number:** 16064076 (Use Format 7 Or 9 For FULL TEXT)

When licensing C/S software, one size does not fit all. (client/server software licensing)

Korzeniewski, Paul

Software Magazine , v14 , n6 . p73(5)

June , 1994

ISSN: 0897-8085

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT
Word Count: 2933 Line Count: 00258

Abstract: ...on central computers is collapsing as more and more customers buy client/server packages, and **vendors** are uncertain about the pricing model to use in its place. Software pricing involves initial...

Abstract:

...Wilsted Inc., a consulting firm based in Boulder, Colo. As current software pricing policies crumble, **vendors** see no clear way as to how they should rebuild them. New pricing options are...

...by storm.

[TABULAR DATA OMITTED]

Many users are unhappy with current pricing mechanisms but, like **vendors**, are unclear about how to fix them. "Software pricing is a dynamic **issue** because many users are confused about their options," said Jack Wakefield, consulting partner, Culpepper and...

...monthly licensing fee to run a program. This fee often covers maintenance costs as well.

Vendors set tiered model prices according to a central computer's power and users' willingness to pay...

...tens of thousands of dollars for midrange system software.

Tiered pricing maps well with how **vendors** recoup their research and development investments. Building an application requires time and money and the...

...Also, the market for mainframe software is relatively small -- tens of thousands of companies. Consequently, **vendors** have to charge each organization a premium for each package in order to turn a...

...pricing also creates many problems for users. Corporations find that maintenance rates vary considerably. Typically, **vendors** charge users a percentage of the initial licensing fee for maintenance, which includes problem solving...

...because the software will use the same amount of CPU cycles."

Kahan noted that mainframe **vendors** are slowly changing their software policies, and cited Legent Corp., Herndon, Va., as a forward...

...costs so firms can more easily set their budgets.

Such programs are also addressing downsizing **issues**, which have created problems for software **vendors**. Unix workstations are rapidly increasing in processing power and making low-end mainframes, midrange computers...

...want to install the new hardware but also want to keep their current software.

To **vendors**, the software is a separate product because suppliers divvy up revenue by platforms. So, most **vendors** charge users for moving from one platform to a second. Users may receive a little ...
...examine other options and select another software supplier.

To keep their users from switching, some **vendors** are offering users more flexibility. For instance, Lawson Software Inc., Minneapolis, has taken a different...two license managers if they run applications on more than one server.

Standards would help **vendors** overcome many of these

limitations, but whether **vendors** would cooperate is debatable. After all, licensing is one way for **vendors** to differentiate their products. For example, Cincom Systems Inc., headquartered in Cincinnati, adopted an emerging...

...be moving in the same direction," Dyer said. "So in the long term, we expect **vendors** will offer similar licensing schemes and we will differentiate our products by features rather than via pricing."

There have been signs of **vendor** cooperation on licensing **issues**. The Open Software Foundation (OSF), Cambridge, Mass., is trying to forge common application programming interfaces (APIs) so license managers can share information.

Vendor consortiums are also trying to fill the licensing standards void. In May 1992 a group...

...Application Programming Interface (Lsapi), has been completed. However, the specification includes only basic licensing functions. **Vendors** can add to the specifications, but then run the risk of decreasing the level of...

...packages.

The OSF's Distributed Management Environment (DME), designed to tackle network and systems management **issues**, includes an add-on licensing module based on the Network Licensing System from HP and...

...circle the corresponding reader service number on the reader service card located elsewhere in this **issue**. Compiled by Products Editor Deborah Melewski.

COMPANY	PRODUCT/CIRCLE NO.	COMMENT
D&G Infosystems Hempstead, NY MS-Windows; software	LANWatchMan License Meter Circle No. 350	Novell NetWare, applications license metering
Elan Computer	Elan License	Unix; MS...
...MA	Circle No. 352	software licensing for distribute client/server environments
HDC Computer Corp. license Redmond, WA	Express Meter Circle No. 353	Metering, management for MS- Windows networks
Highland Digital	Flexible License	VMS...
...356	OS/2, Macintosh;	software metering, license management
Trellis Princeton, NJ and asset	Application Meter Circle No. 357	Server-based software license management for DOS,

Windows

Plugging the Meter
The licensing model...
...on multiple machines.

User-based pricing models are evolving in the client/server arena. Initially, **vendors** tried a one-for-one approach with user pricing. The **vendors** counted up the number of potential users and charged a company for each one.

Users...back to the server.
Many applications rely on these license managers. A handful of software **vendors** sell these packages, including Elan Computer Group Inc., Mountain View, Calif., with its Elan applications...

...as electricity," said Cincom Systems' Dver. "The more a company uses it, the more the **vendor** receives."

Cincom outlined its plans to adopt usage-based pricing for Supra Server in January...

...company writing its own metering package raises an interesting question. "Would you trust a software **vendor** to also provide your usage information?" asked Darrell Ackmann, the director of business practices as ...

...cases, a corporation wouldn't, and many are waiting for alternatives to arrive."

Operating system **vendors** and license management suppliers are two types of **vendors** that could provide unbiased metering systems. But before they could take on that role, suppliers...

...to make their licensing agreements and systems more consistent. "Right now, licensing policies vary by **vendor** so it is difficult to outline any standards," admitted Ackmann.

Open User Recommended Solutions (Ours...

...spring of 1992, is trying to forge some consistency among suppliers' licensing agreements. The group **assigned** a special task force to outline software licensing **issues** that fall. In January 1993 the group released a white paper that tried to identify software licensing problems, and forged a glossary of licensing terms so that users and **vendors** could work with a consistent vocabulary regarding licensing **issues**. A growing number of **vendors**, including Software AG, are trying to incorporate Ours recommendations in their products.

Besides the question...

...how much overhead would be added and if users would accept slower response time.

And **vendors** need to determine how to charge users. "If an application pulls records from three computers...

...Reiss, director of customer service strategies at Dun & Bradstreet Software (DBS) Inc., Atlanta.

The way **vendors** answer that question could spell success or failure for usage-based licensing. "**Vendors** cannot make metering systems so granular that they are difficult to manage," noted Software AG ...

...them."

In the short term, observers anticipate that licensing will continue to be a cloudy **issue**. "Right now, corporations want changes in software pricing structures but they have not fully thought...

...model will meet all user requirements," explained James Sursavage, DBS's manager of business strategy. **"Vendors** will offer a range of licensing options and let users select the plan that best...

Descriptors: ...Vendor Relations

Named Persons:

3/3,K/30 (Item 6 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

(c) 2009 Gale/Cengage. All rights reserved.

01450158 Supplier Number: 11074469 (Use Format 7 Or 9 For FULL TEXT)

Network management: products to configure, control, monitor, test, protect, and inventory your enterprise network's resources. (a correction to this article appears in the January 1992 issue, page 151) (Buyers Guide)

LAN Magazine , v6 , n8 , p146(28)

August , 1991

Document Type: Buyers Guide

ISSN: 0898-0012

Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT

Word Count: 17867 **Line Count:** 01493

...your enterprise network's resources. (a correction to this article appears in the January 1992 issue, page 151) (Buyers Guide)

...and CAD systems.

MAGIC SOLUTIONS

SUPPORTMAGIC HELP DESK

SupportMagic Help Desk and Asset Management Software **assigns**, prioritizes, and tracks the status of help desk support calls. It tracks inventory by item...device. It offers an integrated relational database, graphics toolkit, and user interface. It supports other **vendors'** private MIB extensions. It implements SNMP. NetCentral Station runs on Unix and is priced at...central network event window, point-and-click configuration tools, pull-down menu enhancements, and multi-**vendor** monitoring through private MIB extensions. SNMP-NMS runs on a Sun 3 or SPARCstation.

WOLLONGONG...runs as a NetWare value-added process or NetWare Loadable Module. It also is a **license meter**. SiteLock costs \$495.

CENTEL FEDERAL SYSTEMS

NET/ASSURE

Net/Assure is a hardware-and-software...WORLDWIDE

CUSTOMER SUPPORT OPERATIONS

HP LAN Operations is a network operation service for internetworked, multi-**vendor**, Ethernet, TCP/IP, and SNMP-based LANs. The service provides long-and short-term network...

Dialog eLink: Order File History

3/3K/31 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

02714044

System and method for providing controlled access to funds dispensing device from external processors

System und Verfahren zum Bereitstellen von kontrolliertem Zugriff auf

eine Geldmittelabgabevorrichtung von externen Prozessoren

Système et procédé pour fournir un accès contrôlé aux fonds fournissant

un dispositif à partir de processeurs externes

Patent Assignee:

- **PITNEY BOWES INC.;** (8241140)
1 Elmcroft Road; Stamford CT 06926-0700; (US)
(Applicant designated States: all)

Inventor:

- **Brennan, Steven**
12 Chiltern Street; FarmingtonCT 06032; (US)
- **Chettiparambil, Hafeesmon**
29 Gilbert Street; DerbyCT 06418; (US)
- **Thillaikumaran, Sambasivam**
270 Old Field Road; SouthburyCT 06488; (US)
- **Hannigan, Brain C.**
38 Crestview Drive; SouthingtonCT 06489; (US)

Legal Representative:

- **HOFFMANN EITLE (101511)**
Patent- und Rechtsanwälte Arabellastrasse 4; 81925 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	2075764	A1	20090701	(Basic)

ApplicationEP200802174320081215

PrioritiesUS96533920071227

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;

FI; FR; GB; GR; HR; HU; IE; IS; IT; LI;

LT; LU; LV; MC; MT; NL; NO; PL; PT; RO;

SE; SI; SK; TR;

Extended Designated States:

AL; BA; MK; RS;

IPC	Level	Value	Position	Status	Version	Action	Source	Office
G07B-0017/00	A	I	F	B	20060101	20090415	II	EP

Abstract Word Count: 34**NOTE:** 2**NOTE:** Figure number on first page: 2

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200927	632
SPEC A	(English)	200927	4018
Total Word Count (Document A) 4650			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 4650			

Specification: ...methods for controlling access to the mailing machine are described to ensure that control contention **issues** do not arise. If more than one source were permitted access without appropriate safeguards, userpostage. Furthermore, the described Proxy Server software and interface specification may be restricted to approved **vendors** for creation of compatible third-party PC Applications.

Referring to FIG. 1... ..and returns a BUSY notice to any other requestors. In step 550, the Proxy server **issues** an event notification to the operating system noting the meter capture condition. Each of the... ..step 570, the Proxy server receives confirmation of the release from the mailing machine and **issues** an event notice to indicate that the mailing machine/postage meter is available.

Referring to... ..no. 6,619,544 B2 , entitled System And Method For Instant Online Postage Metering, **issued** September 16, 2003 to Bator, et al. and incorporated herein by reference. As an alternative... ..open" indicium using the PCIBI-O specification available from the USPS, but by using the **meter license** and funds stored in the PSD of the collocated mailing machine 210.

Co-pending, commonly...

Dialog eLink: Order File History

3/3K/32 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

01489470

Method for correlating execution-process information with corresponding software licensing information

Verfahren zur Korrelation von Prozessausführungsinformationen mit entsprechenden Softwarelizenzinformationen

Procédé pour corréler des informations sur l'exécution de programmes avec des informations concernant des droits d'utilisation

Patent Assignee:

- **Isogon Corporation;** (2435280)
330 Seventh Avenue; New York, New York 10001; (US)
(Applicant designated States: all)

Inventor:

- **Vardi, David,c/o Isogon Corporation**
330 Seventh Avenue; New York, New York 10001; (US)
- **Hellberg, Per,c/o Isogon Corporation**
330 Seventh Avenue; New York, New York 10001; (US)
- **Barritz, Robert,c/o Isogon Corporation**
330 Seventh Avenue; New York, New York 10001; (US)

Legal Representative:

- **Ling, Christopher John et al (80403)**
IBM United Kingdom Limited Intellectual Property Law Hursley Park;
WinchesterHampshire SO21 2JN; (GB)

	Country	Number	Kind	Date	
Patent	EP	1255180	A2	20021106	(Basic)
	EP	1255180	A3	20070815	

ApplicationEP200238008320020417

PrioritiesUS84523520010430

Designated States:AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LI; LU; MC; NL; PT; SE; TR;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G06F-001/00

IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0001/00	A	I	F	B	20060101	20020723	H	EP

Abstract Word Count: 57**NOTE:** 4**NOTE:** Figure number on first page: 4

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: Spanish

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200245	631
SPEC A	(English)	200245	5949
Total Word Count (Document A) 6581			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 6581			

Specification: ...corporations, organizations and individuals is licensed either directly or indirectly from a variety of software **vendors**. The rights granted the licensees may take a variety of forms. For example, a software... certain days of the week, or based on any other set of restrictions that the **vendor** may negotiate with the organization.

In many cases, **vendors** have incorporated protective mechanisms (PMs) into their software products to try and determine whether the... exceeded.

If the PM detects attempted violations, a variety of actions may be taken, from **issuing** a warning while allowing execution, to preventing the software from operating. Typically, the PM also... are often embodied in a license certificate or via an encrypted password which the software **vendor** gives to the organization, which in turn supplies it to the PM. Typically, a PM... is not supplied, missing, expired, or otherwise not made "known" to the PM.

While many **vendors** have developed their own PM, some use general purpose software supplied to them by other **vendors**. Such general PM facilities are known as License Managers (LMs), and are available from a variety of **vendors**, including Isogon (LicensePower/iFOR), Globetrotter (FLEXIm), IBM (LUM), and Rainbow (SentinelLM). As with PMs written by the product **vendors** themselves, LMs from different **vendors** use certificates in different forms and administer them in different ways.

In March of 1999... ..the standard is expected to encourage the development of XSLM-compliant LMs from several LM **vendors**. In particular, Isogon Corporation and IBM are jointly developing an XSLM-compliant LM that may... ..is the combination of information embodied in the license certificate initially provided by the software **vendor**; information provided by the customer's license administrator to complement or override, when allowed, the... ..logging of events related to license usage (e.g. an application requesting or releasing a **license**, or a **meter** being updated) is usually either under the administrator's control or specified by rules in... ..the Get-License request. In the simplest case, the license session ends when the product **issues** the "Release-License" function call

```
(xslm(underscore)basic(underscore)release(underscore)license() or
xslm(underscore... ..one another, and to recognize that all are part of the same session, the XSLM assigns a "License-Handle" (a unique code-value) to the session, and returns it to the... ..particular instance, or other process-related information, since this information is generally not relevant to issues of enforcing the licensing and licensed rights of the licensor of the licensed software.
```

In... ..a separate address space (or partition, or region, etc.). Software products invoke the XSLM by **issuing** one of the defined function calls, which may be initially processed by an XSLM agent... ..the client via the agent. For example, in the most simple case, a software product **issues** only two function-calls: the Get-License function-call (when the software product is about... ..exit-routines, which, if supplied, receive control during processing of XSLM Get-License function-calls **issued** by the client. The CER receives control in the client's address space (partition, or... ..mainframe system, the identifying information can be the job-number (a system-wide number uniquely **assigned** by the operating system to each job that processes in the system), and optionally can... ..number 3, etc.); and 2) the current date. As OS/390 "unique" job-numbers are **assigned** sequentially, the counter may be reset after some days, weeks, or months, therefore the date... ..in a variety of ways, for example by maintaining a counter specific to the LOS, **assigning** its current value, perhaps combined with the date and time, to a new token, then... ..XSLM log using the Log-Data function. The CER terminates, returning the value of the **assigned** token (step 18) as an output-parameter to the agent.

Optionally, the CER retains the... ..the process-related information together with the corresponding LDI in the CLL.

3. The CER **assigns** the LDI to be used as the token in future XSLM function calls for the...if supplied, receive control during processing of one or more types of XSLM function-calls **issued** by the client. Optionally, when invoked, the CER is provided with the parametric input information... ..licensing function call

* LOS-id or corresponding identifier

- * the identity or name of the module **issuing** the function-call
- * date and time
- * etc.

Additionally, the CER optionally gathers some or all ...to the function call (which serves to identify the software product requesting the license, the **vendor**, and the particulars of the type of license-usage being requested); and, the return-code... ..exit-routines, which, if supplied, receive control during processing of XSLM Get-License function-calls **issued** by the client. When the client makes a Get-License function call, the CER is... ..captures both process information and sufficient information about the various XSLM function calls that are **issued** in the client in conjunction with ongoing sessions, and records them in the CLL in... ..by the XSLM in its own log.

For example, from each Get-License that's **issued**, the information might consist of the associated process information, product-id, the date and time... ..of activity. For example, the CLL-data might show that Get-License function-calls were **issued** in the client for the following products, in the following order:

M-B-G-T...

Dialog eLink: Order File History

3/3K/33 (Item 3 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

01019406

VIRTUAL POSTAGE METER WITH MULTIPLE ORIGINS OF DEPOSIT
VIRTUELLE FRANKIERMASCHINE MIT MEHREREN EINZAHLUNGSQUELLEN
MACHINE A AFFRANCHIR VIRTUELLE A ORIGINES MULTIPLES DE DEPOT

Patent Assignee:

- **PITNEY BOWES INC.;** (244956)
World Headquarters, One Elmcroft Road; Stamford Connecticut 06926;
(US)
(Proprietor designated states: all)

Inventor:

- **GRAVELL, Linda, V.**
711 Beacon Park; Webster, MA 01570; (US)

- **PINTSOV, Leon, A.**
10 Governors Row; West Hartford, CT 06117; (US)
- **RILEY, David, W.**
31 Woodland Drive; Easton, CT 06612; (US)
- **ROMANSKY, Brian**
51 Greenwood Drive; Monroe, CT; (US)
- **RYAN, Frederick, W., Jr**
4 Naples Lane; Oxford, CT 06478; (US)

Legal Representative:

- **Stein-Drager, Christiane (70641)**
Hoffmann - Eitle Patent- und Rechtsanwälte Arabellastrasse 4; 81925 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	925558	A1	19990630	(Basic)
	EP	925558	B1	20051207	

WO199805730319981217

ApplicationEP9893015919980612WO98US1220419980612

PrioritiesUS49518P19970613

Designated States:

DE; FR; GB;

International Patent Class (V7): G07B-017/00**NOTE:** No A-document published by EPO

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200549	810
CLAIMS B	(German)	200549	731
CLAIMS B	(French)	200549	929
SPEC B	(English)	200549	5211
Total Word Count (Document A) 0			
Total Word Count (Document B) 7681			
Total Word Count (All Documents) 7681			

Specification: ...Numbers 4,725,718, 4,757,537, 4,775,246 and 4,873,645,

each **assigned** to the **assignee** of the present invention.

Presently, there are two postage metering device types: a closed system... ..subsequent verification. See U.S. Patent Numbers 4,725,718 and 4,831,555, each **assigned** to the **assignee** of the present invention.

The United States Postal Service ("USPS") has proposed an Information-Based... ..a host system element of IBIP ("IBIP Host Specification"). IBIP includes interfacing user, postal and **vendor** infrastructures which are the system elements of the program. The INFORMATION BASED INDICIA PROGRAM KEY... ..for example, U.S. Patent Numbers 5,454,038 and 4,873,645, which are **assigned** to the **assignee** of the present invention. The Virtual Meter does not conform to all the current requirements... ..with purchased CD-ROMs. Mailers can acquire postage on an as-needed basis. Finally, meter **vendors** do not have to keep track of physical meters. A virtual postage metering system eliminates... ..origin of deposit so that the proper postal accounts can be credited for the postage **issued**.

Several benefits are realized from the present invention. One such benefit relates to the postal... ..mailer is ready to print the mailpiece.

In the virtual postage metering system, a "meter" **vendor**, such as Pitney Bowes Inc., provides the mailer with client software that runs on PC... ..fees can be charged at this time. Data Center 30, preferably administered by a meter **vendor**, such as Pitney Bowes Inc., arranges all meter licenses and agreements between its mailers and... ..from a telephone call is disclosed in U.S. Patent No. 5,943,658, and **assigned** to the **assignee** of the present invention. For other types of connections (such as a network or the...postage payment being reported, the Postal Service verifies payment of total transactions being reported and **assigns** funds from such payment to the appropriate local post offices. When a prepayment method is... ..Data Center 30. At step 210, the Data Center activates the mailer's PSA by **assigning** the mailer's credit card account to it and notifies the mailer. At step 215... ..amount owed to each origin zip (local) post office. At step 240, the Postal Service **assigns** an appropriate amount of funds from the funds control center to each local post office... ..amount owed to each origin zip (local) post office. At step 340, the Postal Service **assigns** an appropriate amount of funds from the funds control center to each local post office... ..any other postal accounting system (such as one where payment for parcels and letters are **assigned** to different postal departments).

While the present invention has been disclosed and described with reference...

Claims: ...the address.

9. The method of claim 8 comprising the further step of:

obtaining a **meter license** from the USPS based on the postal code information.

10. The method of claim 8...

Dialog eLink: [Order File History](#)

3/3K/34 (Item 4 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

00949450

**APPARATUS AND METHODS FOR COLLECTING VALUE
VORRICHTUNG UND VERFAHREN ZUR WERTERFASSUNG
APPAREIL ET PROCEDE D'ENCAISSEMENT**

Patent Assignee:

- **M-Systems Flash Disk Pioneers Ltd.;** (2756912)
7 Atir Yeda Street; Kfar Saba 44425; (IL)
(Proprietor designated states: all)

Inventor:

- **GRESSEL, Carmi, David**
Kibbutz Urim; 85530 Mobile Post Negev; (IL)
- **MILSTEIN, David**
Derech Hameshachrerim 18; 84723 Beer Sheva; (IL)
- **SANDER, Avi**
Habrosh Street 44; 82024 Kiryat Gat; (IL)
- **HADAD, Isaac**
Hashalom Street 105; 84434 Beer Sheva; (IL)
- **GRANOT, Ran**
Hasharon Street 83; 81400 Yavneh; (IL)

Legal Representative:

- **Harris, Ian Richard (72231)**
D. Young & Co., 21 New Fetter Lane; London EC4A 1DA; (GB)

	Country	Number	Kind	Date	
Patent	EP	944879	A1	19990929	(Basic)
	EP	944879	B1	20031217	

WO9801810719980430

ApplicationEP9790955519971022WO97IL33719971022

PrioritiesIL1194869619961024

Designated States:

AT; BE; CH; DE; FR; GB; LI;

International Patent Class (V7): G07F-007/08**NOTE:** No A-document published by EPO

Type	Pub. Date	Kind	Text
...Granted patent	19		
Assignee:	19		

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200351	679
CLAIMS B	(German)	200351	645
CLAIMS B	(French)	200351	738
SPEC B	(English)	200351	19331
Total Word Count (Document A) 0			
Total Word Count (Document B) 21393			
Total Word Count (All Documents) 21393			

Specification: ...electronic purses, such as smart cards, in cashless transactions where value is transferred to a **vendor's** purse in exchange for supply of goods or services. Use of public key protection... ..be benefited with cash discounts, while spreading an equitable part of the savings to participating **vendors** and providers of service.

In a typical system, customers benefit from having cash held safely... ..benefits from interest on the outstanding float held in the consumers' smart cards.

An important **issue** is how the system operator can be assured, that, in such a dispersed system, where... ..agents who load value into cards may be tempted to engage in "printing money").

This **issue** is now resolved as there are compact mass produced, securely protected monolithic data protection mechanisms... ..a proposed transaction.

In a smart card chip such as those manufactured by the applicant/**assignee**, Fortress U & T Ltd., there may be several purses. The same chip can be uniquely initialized and personalized by several

independent **issuers**, and each **issuer** may embed a unique variety of purses and information protecting applications in an individual user's card.

To protect honest users, **vendors** and **issuers** from fraud, rules are made and followed to assure the validity of a transaction, and protect honest **vendors** and consumers.

With credit purchases, general rules of what the EMV calls risk assessment typically... recently as was demanded, and of course a check for any other aberrations that an **issuer** might desire, such as a limit on the number of withdrawals in a period of time; the number of purchases that can be made without the **vendor's** terminal "going on-line" to the central computer in order to restore the line... on-line transaction or in a purse to purse session with an approved agent.

A **vendor** or service terminal can receive payment for goods and services from either a debit (stored... to receive in his bank account from the purse reloader, so that he can compensate **vendors** for goods and services to be received from card-holders who pay with electronic cash.

Purse... monies have been removed or added into their purses. This can protect them from rogue **vendors** who may have purposefully overcharged or fraudulent terminals which may have 'short changed' the card... more times.

A similar situation arises in the United States where the Department of Agriculture **issues** food credits to the needy. A blind cheque must be **issued** to each of the indigents, who can only use a cheque once, and the USDA... for assuring that a cheque can be credited, once, and only once, is for the **issuer** of the cheque to know a unique number, which was probably generated by the receiver...cash receivables", determined by the system operators.

Restraint and constraint strategies to be placed on **vendor's** use of "cash received" in lieu of "credit for cash receivables".

Time Restraint:

A **vendor's** terminal can be programmed so that it must deposit cash received within a certain... daunted by the difficulties of handling transactions.

Limiting the Credit for Cash Receivable that a **vendor** is allowed:

In all Fortress **vendor** and consumer SAMs and smart cards, a value of use limit is put on all purses. The system operator is probably not willing that the **vendor** collects and holds large amounts of money for long lengths of time which he used... non-payment on time.

This is the "hold" that the system operator has on the **vendor**. If a **vendor** does not comply with the operator's rules, and has used up his

credit for cash receivables, then the **vendor** may refuse to reissue his credit, and the **vendor** will then be unable to reload stored value into consumers' purses.

Coupling the Motivating Bonus which the **Vendor** receives for handling the cash with interest charged to the **vendor** for delayed transfer of funds, in those cases where the **vendor** does not 'buy' the original CCR sum, but is allotted by the system operator. ;

All cash which is collected by **vendors** is archived in the **vendors'** terminals, dated and certified. All funds collected by a **vendor** grant him a percentage bonus for handling and transferring the money for clearance, and for... ..and a BestCrypt-4-PC drop in card, at least one smart card reader.

An **issuer's** workstation is maintained in a very well protected area, used for initializing smart cards... ..CASH - Bills and coins (physical cash), normally used as legal tender.

Acquirer - Bank or other **Issuer** who clears transactions.

a Alpha- the first letter of the Greek alphabet.

A (a)

AAC... ..a transaction

ACN Account Number- A unique number identifying smart card's account with an **issuer**. See PAN.

ACK Acknowledgment- Confirmation of acceptance of transmission.

Application Default Action - A data element... ..and unique, universally available public identifiers.

ARPC Authorization Response Cryptogram - A response, sent by the **issuer**, upon receipt of an ARQC, which proves its authenticity.

ARQC Authorization Request Cryptogram - A response... ..g., a vending machine, a TIM, a parking meter, following rules established by the SC **issuer**, the SAM/SC's CAR is decremented. Means and methodology in this document with relation... ..in one purse if decremented by the same amount from another system purse.

When a **vendor** accepts AMT of \$CASH for the system from a consumer the **vendor's** CCR is decremented by AMT and he typically executes a system "purchase" in order... ..recorded in non-volatile memory in a SAM/SC).

Certificate- A cryptogram signed by an **issuer** or a sub-**issuer** of a system whose public key is known and recognized by the authenticator, thereby proving... ..DD>Certificate Revocation List- listings of disqualified

members of a system (black listed users or **issuers**)- **issuers**' and users' CRLs should be kept in separate files. These listings are made current at.... ..a payment system to accept physical cash or electronic value.

Entitlement- The procedure allowing an **issuer** or a subissuer the proper priority to access applications -no access, read only, write only...of last purse transactions performed by a SAM. In general, only the cardholder and the **issuer** (not the **issuer**'s agents) have entitlement to read the file on any system terminal. This permits the cardholder to confirm the actual value of his transactions. The card **issuer** determines how many "last transactions" can be stored in the EEPROM.

IAC

Issuer Action Code - A set of **issuer** defined action lists, indicating the behavior of the card, in different situations.

1-Block.... ..Command Message - According to ISO 7816 structure, typically.

ISO

International Organization for Standardization **issuers** of internationally accepted technical standards - see Normative References.

ISOXX)()*

ISO Format Function 9796....text (specified in parenthesis) - a data structure for electronic signatures to protect message/document integrity.

Issuer - Card **Issuer** or Card **Issuer**'s Agent

Journal Printer - An internal device which;prints a record of every transaction on.... ..by the ICC

Lock - A closure put on an application(s) by a terminal, an **issuer**, or by internal negotiation within the ICC, preventing access to such applications. Some closures can be removed by the **issuer**, probably after card user has fulfilled obligations, or following return of card to rightful owner.... ..of Certification Authority's Public Key Modulus in bytes.

NI))

Length of the **Issuer**'s Public Key Modulus in bytes.

NIC))

Length of the ICC's Publicg., the complete command would be 45, 30, 34.

Personalization - The procedure followed by an **issuer** wherein a smart card or SAM/SC is **assigned** to a subscriber with unique identification, and file structures are programmed into the EEPROM with.... ..SCOS++)

PTICKET

Printed Ticket - A paper travel voucher purchased with AMT of \$CASH **issued** by a TIM. The driver's OPM's CCR is reduced by AMT as it.... ..s tool to confirm proper procedure and one to one agreement between moneys received, tickets **issued**, credit for cash receivables reduced, and validity of passenger's proof of payment.

*PTS.... ..request for receipt typically includes proof of X's belonging to the system, and data **issued** by X's SAM/SC which will enable to convert said receipt*

once, and only... ..number used to access an EF within the same application or directory.

SI))

Issuer's Private Key- The Secret (only RSA in present EMV specs) key used by the **issuer** to sign certificates of participants in the **Issuer's** applications.

SIC))

ICC's Private Key- The Secret key (RSA in EMVor compensate for illicit or unintentional interruption of a transaction procedure.

TIM

Ticket Issuing Machine- A microcomputer regulated device that controls money collection, ticket **issuing** and collection, controls access to vehicle, and collects transaction and automotive data relevant to a... ..received; and

c. Debiting his own electronic purse to reflect the value of the ticket **issued** or the amount of value loaded into the traveler's smart card.

A preferred feature...portion rejects input from the external source.

Typically, each bus is equipped with a ticket **issuing** machine (TIM) and each operator (driver) is equipped with a portable personal module (OPM). Each... ..the TIM's electronic purse by the same amount.

b. The TIM is operative to **issue** a paper ticket in response to a driver's actuation. Typically, the driver actuates the... ..the TIM's electronic purse by the same amount.

c. The TIM is operative to **issue** multiple or free pass tickets in response to a driver's actuation. Typically, the driver... ..insertion of the smart card into the TIM. The smart card may be a card **issued** by the transportation system, or may be an "external" card such as a conventional credit... ..records the time of day, the user preferably enters user-identifying information such as his **license** plate number, the **meter** displays the balance of electronic cash possessed by the smart card inserted and/or the... ..is useful in one implementation of the present invention;

Preferably, once a smart-card is **issued**, it is a secured information environment subject to the application authorization and restriction, modified only...

Dialog eLink: Order File History

3/3K/35 (Item 5 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

00939763

Method for transferring postage meter register values to a new post office

Verfahren zur Übertragung von Frankiermaschinenregisterwerten zu einem neuen Postamt

Procédé de transfert des valeurs des registres d'une machine à affranchir vers un nouveau bureau de poste

Patent Assignee:

- **PITNEY BOWES INC.**; (244955)
World Headquarters One Elmcroft; Stamford Connecticut 06926-0700;
(US)
(Proprietor designated states: all)

Inventor:

- **Gravell, Linda V.**
70 Indian Cove Road; Guilford, Connecticut 06437; (US)
- **Ryan, Frederick W., Jr.**
4 Naples Lane; Oxford, Connecticut 06478; (US)

Legal Representative:

- **Avery, Stephen John et al (47695)**
Hoffmann Eitle, Patent- und Rechtsanwälte, Arabellastrasse 4; 81925 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	854449	A2	19980722	(Basic)
	EP	854449	A3	20000329	
	EP	854449	B1	20040519	

ApplicationEP9712298919971230

PrioritiesUS77581819961231

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00Abstract Word Count: 154**NOTE:** 2**NOTE:** Figure number on first page: 2

Type	Pub. Date	Kind	Text
------	-----------	------	------

...20031009	19
Assignee:	19

Publication: English
Procedural: English
Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199830	660
SPEC A	(English)	199830	2636
CLAIMS B	(English)	200421	379
CLAIMS B	(German)	200421	372
CLAIMS B	(French)	200421	412
SPEC B	(English)	200421	2641
Total Word Count (Document A) 3297			
Total Word Count (Document B) 3804			
Total Word Count (All Documents) 7101			

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..code and the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure communications have been point to... ..another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity... ..licensing post offices.

Lost and stolen meters are a continuing problem for both postage meter **vendors** and the USPS. While some of these losses are a direct result of fraudulent activity... ..result, some meters listed as lost or stolen may be refilled via contact with the **Vendor** Data Center. Other postage meters may be denied refills because they appear on a lost... ..and updated by checking the phone number from which a PC meter connects to the **vendor** infrastructure. By combining the caller ID feature of ordinary telephone service with national telephone directories... ..databases the approximate location of a postage meter can be determined during contact with the **Vendor** Data Center, for example for meter refill. In this manner the present invention improves the... ..the submission address and the return address.

The IBIP requires IBIP meters to contact the **vendor** infrastructure on a periodic basis. Since the calling telephone number of such contact is

available to the **vendor** infrastructure, via caller ID, it has been found that the address of the IBIP meter... ..and printer. The host PC 10 is connected, for example, by modem 14 to a **Vendor** Data Center 20. The **Vendor** Data Center includes a Data Center Server 22 which is connected to a plurality of... ..of PC meters. It will be understood that the communication between the PC meter and **Vendor** Data Center may be by alternate conventional communication means, such as a network. The **Vendor** Data Center has access to a Phone Book Database 26 and a ZIP+4 Database 28. The **Vendor** Data Center also communicates with a USPS Certificate and Licensing Authority 30. A licensing Post... ..be accounted for by origin of deposit.

When a customer initiates a call to the **Vendor** Data Center, for example for meter refill or for remote inspection, this is usually via... ..similar national database of ZIP codes (also currently available on CD-ROM). All subsequent postage **issued** from the PSD may then be allocated to the appropriate licensing post office or postal... ..digital meter, such as PostPerfect(TM) and Personal Post Office(TM), both manufactured by the **assignee** of the present invention, or to determine the location of a conventional electronic or mechanical... ..to Fig. 2, the process of the present invention is shown. At step 100, the **Vendor** Data Center has received a call from a PC meter and obtains the PC meter... ..phone number using the Caller ID feature of the telephone system. At step 105, the **Vendor** Data Center determines if the customer's phone number has changed from the previous call to the **Vendor** Data Center. If the customer's phone number has not changed, then normal processing is... ..step 170. If the customer's phone number has changed, then, at step 110, the **Vendor** Data Center determines if the customer's phone number is in the Phone Book Database. If the customer's phone number is in the Database, then, at step 115, the **Vendor** Data Center obtains from the Phone Book Database a customer mailing address corresponding to the customer's phone number. At step 120, the **Vendor** Data Center obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor** Data Center uses the five-digit ZIP code for postal accounting.

If, at step 110, the customer's phone number is not in the Database, then, at step 130, the **Vendor** Data Center queries the customer for an address or ZIP code. At step 135, the **Vendor** Data Center determines if the customer entered a ZIP code. If the customer entered a ZIP code, then, at step 140, the **Vendor** Data Center uses the ZIP code for postal accounting. If the customer did not enter a ZIP code, then, at step 120, the **Vendor** Data Center obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor** Data Center uses the ZIP code for postal accounting.

At step 145, the **Vendor** Data Center determines if the ZIP code has changed from the previous call to the **Vendor** Data Center. If the customer's ZIP code has not changed, then normal processing is... ..step 170. If the customer's ZIP code has changed, then, at step 150, the **Vendor** Data Center requests and receives from the USPS Certificate and

Licensing Authority a new certificate based on the customer's new ZIP code. At step 155, the **Vendor** Data Center downloads the new certificate to the PSD. At step 160, the **Vendor** Data Center obtains the register (ascending and descending) values from the PSD. At step 165, the **Vendor** Data Center transfers funds remaining in the existing customer account, which is based on the... ..As previously noted, lost and stolen meters are a continuing problem for both postage meter **vendors** and the USPS. It has been found that the present invention provides a method for... ..lost and stolen meters.

For example, during a meter refill request a customer contacts the **Vendor** Data Center using standard telephone lines. The Data Center determines the phone number from whichPost Office(TM) and Postage-by-Phone(TM) are trademarks of Pitney Bowes Inc., the **assignee** of the present invention.

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..code and the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure, communications have been point to... ..another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity... ..licensing post offices.

Lost and stolen meters are a continuing problem for both postage meter **vendors** and the USPS. While some of these losses are a direct result of fraudulent activity... ..result, some meters listed as lost or stolen may be refilled via contact with the **Vendor** Data Center. Other postage meters may be denied refills because they appear on a lost... ..and updated by checking the phone number from which a PC meter connects to the **vendor** infrastructure. By combining the caller ID feature of ordinary telephone service with national telephone directories... ..databases the approximate location of a postage meter can be determined during contact with the **Vendor** Data Center, for example for meter refill. In this manner the present invention improves the... ..the submission address and the return address.

The IBIP requires IBIP meters to contact the **vendor** infrastructure on a periodic basis. Since the calling telephone number of such contact is available to the **vendor** infrastructure, via caller ID, it has been found that the address of the IBIP meter... ..and printer. The host PC 10 is connected, for example, by modem 14 to a **Vendor** Data Center 20. The **Vendor** Data Center includes a Data Center Server 22 which is connected to a plurality of... ..of PC meters. It will be understood that the communication between the PC meter and **Vendor** Data Center may be by

alternate conventional communication means, such as a network. The **Vendor Data Center** has access to a Phone Book Database 26 and a ZIP+4 Database 28. The **Vendor Data Center** also communicates with a USPS Certificate and Licensing Authority 30. A licensing Post... ..be accounted for by origin of deposit.

When a customer initiates a call to the **Vendor Data Center**, for example for meter refill or for remote inspection, this is usually via...
 ...similar national database of ZIP codes (also currently available on CD-ROM). All subsequent postage **issued** from the PSD may then be allocated to the appropriate licensing post office or postal... ..digital meter, such as PostPerfect(TM) and Personal Post Office(TM), both manufactured by the **assignee** of the present invention, or to determine the location of a conventional electronic or mechanical... ..process according to an embodiment of the present invention is shown. At step 100, the **Vendor Data Center** has received a call from a PC meter and obtains the PC meter... ..phone number using the Caller ID feature of the telephone system. At step 105, the **Vendor Data Center** determines if the customer's phone number has changed from the previous call to the **Vendor Data Center**. If the customer's phone number has not changed, then normal processing is... ..step 170. If the customer's phone number has changed, then, at step 110, the **Vendor Data Center** determines if the customer's phone number is in the Phone Book Database. If the customer's phone number is in the Database, then, at step 115, the **Vendor Data Center** obtains from the Phone Book Database a customer mailing address corresponding to the customer's phone number. At step 120, the **Vendor Data Center** obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor Data Center** uses the five-digit ZIP code for postal accounting.

If, at step 110, the customer's phone number is not in the Database, then, at step 130, the **Vendor Data Center** queries the customer to obtain an address or ZIP code from the customer. At step 135, the **Vendor Data Center** determines if the customer entered a ZIP code. If the customer entered a ZIP code, then, at step 140, the **Vendor Data Center** uses the ZIP code for postal accounting. If the customer did not enter a ZIP code, then, at step 120, the **Vendor Data Center** obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor Data Center** uses the ZIP code for postal accounting.

At step 145, the **Vendor Data Center** determines if the ZIP code has changed from the previous call to the **Vendor Data Center**. If the customer's ZIP code has not changed, then normal processing is... ..step 170. If the customer's ZIP code has changed, then, at step 150, the **Vendor Data Center** requests and receives from the USPS Certificate and Licensing Authority a new certificate based on the customer's new ZIP code. At step 155, the **Vendor Data Center** downloads the new certificate to the PSD. At step 160, the **Vendor Data Center** obtains the register (ascending and descending) values from the PSD. At step 165, the **Vendor Data Center** transfers funds remaining in the existing customer account, which is based on the... ..As previously noted, lost and stolen meters

are a continuing problem for both postage meter **vendors** and the USPS. It has been found that the present invention provides a method for...
...lost and stolen meters.

For example, during a meter refill request a customer contacts the **Vendor** Data Center using standard telephone lines. The Data Center determines the phone number from whichPost Office(TM) and Postage-by-Phone(TM) are trademarks of Pitney Bowes Inc., the **assignee** of the present invention.

Claims: ...the address.

3. The method of claim 1 comprising the further step of:

obtaining a **meter license** from the a postal authority based on the address or unique identifier.

4. The method...

Claims: ...affranchir a un nouveau bureau de poste, ce procede consistant a :

recevoir un appel telephonique **issu** du site de la machine a affranchir ;

utiliser de l'ID de l'appelant pour... ..origine ;

determiner si l'identifiant d'origine a ou non change depuis une communication precedente **issue** de la machine a affranchir ;

determiner une adresse postale correspondant a l'identifiant d'origine...
...a un nouveau bureau de poste, ce procede consistant a :

recevoir une communication en reseau **issue** du site de la machine a affranchir ;

obtenir une adresse en reseau comme identifiant unique... ..appellante ;

determination si l'identifiant d'origine a ou non change depuis une communication precedente **issue** de la machine a affranchir ;

determiner une adresse postale correspondant a l'identifiant d'origine...

Dialog eLink: Order File History

3/3K/36 (Item 6 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2009 European Patent Office. All rights reserved.

00939752

A method for the detection of meter relocation using return address

Verfahren zum Erfassen der Standortveränderung eines Zählers unter Verwendung der Rückadresse

Procédé de détection du déplacement d'un compteur par l'utilisation de l'adresse de réponse

Patent Assignee:

- **PITNEY BOWES INC.;** (244957)
World Headquarters, One Elmcroft Road; Stamford, Connecticut
06926-0700; (US)
(Proprietor designated states: all)

Inventor:

- **Pauly, Steven J.**
10 Surrey Lane; New Milford, CT 06776; (US)

Legal Representative:

- **Avery, Stephen John et al (47695)**
Hoffmann Eitle, Patent- und Rechtsanwälte, Arabellastrasse 4; 81925 München; (DE)

	Country	Number	Kind	Date	
Patent	EP	854447	A2	19980722	(Basic)
	EP	854447	A3	20000223	
	EP	854447	B1	20030402	

Application EP9712285619971223

Priorities US77350819961224

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00 **Abstract Word Count:** 118**NOTE:** 3**NOTE:** Figure number on first page: 3

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199830	480
SPEC A	(English)	199830	2226
CLAIMS B	(English)	200314	482
CLAIMS B	(German)	200314	375
CLAIMS B	(French)	200314	582
SPEC B	(English)	200314	2231
Total Word Count (Document A) 2706			
Total Word Count (Document B) 3670			
Total Word Count (All Documents) 6376			

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..regulations include the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure, communications have been point to... ..another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity...PC 10 is connected, for example, by modem, network or other communication means, to a **vendor** data center 20. A licensing Post Office 30 is the Post Office to which PSD is licensed to submitted mailpieces in accordance with postal regulations.

A user submits to the **vendor** data center 20 required license information, including licensing Post Office identification. The user purchases or leases the PSD 12 from a PSD **vendor** or from a retail store. The PSD 12 is connected to a conventional PC 10... ..17 and printer 18. The user then activates the PSD 12, by submitting to the **vendor** data center 20 PSD related information, including serial number and user information. The **vendor** data center 20 activates the PSD 12 by sending certain information including a postal code... ..lease a PSD 12, a set of user information will be provided to allow a **meter license** to be processed. This information is transmitted to the **vendor** server where a license application is prepared. At that time the meter user may wish... ..submission. This application is processed by postal systems and the approved license is returned to **vendor** server for future download to the PC meter 40.

Referring now to Fig. 2, at... ..herein as the user postal code. At step 105, the meter user dials into the **Vendor** data center 20 and receives a PSD certificate which includes a postal code for the... ..not selected,

then the user will be asked, at step 135, to reapply for the **meter license** and the host 10 displays the current licensing post office postal code. The user should now contact the **vendor** services to remedy the situation. The foregoing is a one time initialization of the PSD...to complete the meter move process, for example by reapplying for a license or contacting **vendor** services. If not a meter move, the user is informed, at step 445 of the ...

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..regulations include the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure, communications have been point to... ..another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity...PC 10 is connected, for example, by modem, network or other communication means, to a **vendor** data center 20. A licensing Post Office 30 is the Post Office to which PSD is licensed to submit mailpieces in accordance with postal regulations.

A user submits to the **vendor** data center 20 required license information, including licensing Post Office identification. The user purchases or leases the PSD 12 from a PSD **vendor** or from a retail store. The PSD 12 is connected to a conventional PC 10... ..17 and printer 18. The user then activates the PSD 12, by submitting to the **vendor** data center 20 PSD related information, including serial number and user information. The **vendor** data center 20 activates the PSD 12 by sending certain information including a postal code... ..lease a PSD 12, a set of user information will be provided to allow a **meter license** to be processed. This information is transmitted to the **vendor** server where a license application is prepared. At that time the meter user may wish... ..submission. This application is processed by postal systems and the approved license is returned to **vendor** server for future download to the PC meter 40.

Referring now to Fig. 2, at... ..herein as the user postal code. At step 105, the meter user dials into the **Vendor** data center 20 and receives a PSD certificate which includes a postal code for the... ..not selected, then the user will be asked, at step 135, to reapply for the **meter license** and the host 10 displays the current licensing post office postal code. The user should now contact the **vendor** services to remedy the situation. The foregoing is a one time initialization of the PSD...to complete the meter move process, for example by reapplying for a license or contacting **vendor** services. If not a meter move, the user is informed, at step 445 of the ...

Claims: ...on a postal code of a licensing post office to which the metering device is **assigned** for submission of mailpieces prepared by the metering device.

6. The method of any preceding...

Claims: ...on a postal code of a licensing post office to which the metering device is **assigned** for submission of mailpieces prepared by the metering device.

6. The method of any preceding...

Dialog eLink: [Order File History](#)

3/3K/37 (Item 1 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

01222143

FRAUD DETECTION IN A POSTAGE SYSTEM

DETECTION DE FRAUDE DANS UN SYSTEME D'AFFRANCHISSEMENT

Patent Applicant/Patent Assignee:

- **PITNEY BOWES INC**
1 Elmcroft Road, Stamford, CT 06926; US; US (Residence); US
(Nationality); (For all designated states except: US)

Inventor(s):

- **RYAN Frederick W Jr**
4 Naples Lane, Oxford, CT 06478; US; (Designated for all)
- **HAMMELL Bradley R**
235 A Berkeley Road, Fairfield, CT 06825; US; (Designated for all)
- **KETAN Anuja S**
12 Belinsky Circle, Oxford, CT 06478; US; (Designated for all)

Legal Representative:

- **MEYER Robert E(agent)**
Pitney Bowes Inc., 35 Waterview Drive, Shelton, CT 06484; US;

	Country	Number	Kind	Date
Patent	WO	200529263	A2-A3	20050331

ApplicationWO2004US3041420040917

PrioritiesUS200348140220030919US200370750920031218

Designated States: (All protection types applied unless otherwise stated
- for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language:	English
Filing Language:	English
Fulltext word count:	8046

Detailed Description:

...The program is a heavy client architecture that includes access to a virtual postage meter **assigned** to the postage **meter license** of the customer. The program must be installed on the user computer as an application... ..directed to Instant Online Postage is described in U.S. Patent Number 6,619,544 **issued** to Bator, et al. on September 16, 2003.

[008] The United States Postal Service published... ..available, and exist as accounts at a data center with a user having a postage **meter license** to use a corresponding virtual postage meter by remote access. A remote virtual postage meter... ..meter account with a unique serial number and that account is associated with a postage **meter license** obtained under authority of the USPS.

[0011] A reference directed toward reissuing digital tokens in an open metering system is described in U.S. Patent Number 6,157,911, **issued** to Cordery, et al. on December 5, 2000.

[0012] A reference directed toward preventing fraudulent... ..displayed on a personal computer is described in U.S. Patent Number 5,988,897, **issued** to Pierce et al. on November 23, 1999. The Pierce system describes determining whether the... ..able to print multiple copies of an indicia. U.S. Patent Number 6,680,783 **issued** to Pierce, et al. on January 20, 2004 is directed toward a method for preventing... ..for paying the postage. In such a system, the user does not require a postage **meter** **license**. The broker obtains a postage **meter license** for the broker data center and obtains location information from the users. The broker then... ..Under the present invention, the end user is not required to have a USPS postage **meter license**.

7

[0036] Referring to FIG. 1, a system schematic diagram of an illustrative shipping and... ..Network (VPN) or other technologies.

[0064] In a typical transaction, a customer logs into a **vendor** site such as an auction e-commerce provider. The customer may be authenticated by the...

Dialog eLink: Order File History

3/3K/38 (Item 2 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

01014701

SYSTEMS AND METHODS FOR DETECTING POSTAGE FRAUD USING A UNIQUE MAIL PIECE INDICIUM, REDUCING THE SIZE OF POSTAGE INDICIA, AND REFUNDING POSTAGE
SYSTEMES ET PROCEDES PERMETTANT DE DETECTER DES FRAUDES POSTALES AU MOYEN
D'UN AFFRANCHISSEMENT UNIQUE DE COURRIER, CE QUI PERMET DE REDUIRE LA
TAILLE DES AFFRANCHISSEMENTS POSTAUX ET DE REMBOURSER LES FRAIS POSTAUX

Patent Applicant/Patent Assignee:

- **PSI SYSTEMS INC**
247 High Street, Palo Alto, CA 94301; US; US(Residence);
US(Nationality)

Inventor(s):

- **MONTGOMERY Scott**
11625 Par Avenue, Los Altos, CA 94024-6333; US
- **WHITEHOUSE Harry T**
70 Hayfields Road, Portola Valley, CA 94029-7249; US

Legal Representative:

- **WANG David E(et al)(agent)**
Orrick, Herrington & Sutcliffe LLP, 4 Park Plaza, Suite 1600,
Irvine, CA 92614-2558; US;

	Country	Number	Kind	Date
Patent	WO	200344620	A2-A3	20030530

ApplicationWO2002US3302420021014

PrioritiesUS200199034120011120US200199062520011120US200199060520011120

Designated States: (Protection type is "Patent" unless otherwise stated -
for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE,
SG, SL, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 35338

English Abstract:

...improvement uses an indexing identifier (such as, e.g., a tracking ID,
or a postage **vendor** ID, user account, and piece count) to decrease the
size, or eliminate the use, of...

Detailed Description:

...USPS hosted an exploratory meeting, inviting the inventor and the four existing conventional postage meter **vendors** (Pitney Bowes, Neopost (called Friden ...this system, the end user's account balance is securely stored in a centralized postage-**issuing** computer system, and the end user contacts the centralized postage- **issuing** computer system each and every time postage is to be applied to a mail piece...ED 6

-11 Descending Register 4

-12 Rate Category 4

-13 Signature 40

-14 Reserved (**Vendor** Specific Information) 1

-15 Piece Count (**Vendor** Specific Information) 4

Thus, the date (item #7) embedded in the barcode portion of the... model, each end user (i.e., meter account) has a unique public/private key pair **assigned** to him or her. The private key component is never divulged 5 to the end...commercial potential of the IBIP, it languished in uncertainty for several more years until two **vendors** were approved for beta testing in August of 1998. The companies, EStamp and Stamps.com...ftmids attempting to make PC-postage a viable business. In sum, two extraordinarily well-funded **vendors** have been driven out of the business, the established manufacturers of postage meters have curtailed...on the consumer market with the promise of large numbers ended up costing the initial **vendors** large sums of money to acquire these customers, which did not provide sufficient financial returns...of the area of a typical commercial #10 envelope. The mailing community and potential IBIP **vendors** resoundingly rejected this as completely unworkable.

The inventor (and presumably other potential EBIP **vendors**) proposed an alternative approach to the USPS, which brought the postage indicium down to the ...public keys to its field staff. This proved to be a daunting task, as some **vendors** were signing up thousands of new end users per month, each of whom represented a related problem encountered by the USPS and the IBIP **vendors** was the cost and logistical **issues** associated with managing hundreds of thousands, if not millions, of key pairs. 11BIP **vendors** were charged for each key pair certified by the USPS CA. The cost, \$8.00... ..deal with the revocation and reissuing of public keys as they expired, and handle other **issues** associated with the PKI.

In 1998, the inventor suggested ...a single key pair to service the entire user community for a given centralized postage **vendor**. The key pair might change daily, weekly or monthly for security reasons, but the netwhen the postage indicia are created at the centralized server cluster run by the postage **vendor**. That is, the ...private key can be assured since it is in the possession of the trusted postage **vendor**, and not the end user. It should be noted that even the centralized system postage **vendor** does not have direct knowledge of the private key material. USPS design guidelines require that...plan under a three-month beta test, and later officially notified all EBI centralized postage **vendors** that they too could employ this approach. ...the IBIP is the assumption that all printing-related problems could be controlled by "perfect" **vendor** software and therefore, a staunch refusal to offer a refund procedure for failed or partially...a refund of anywhere from 90%

to 100% of the postage value.

For PC-postage **vendors**, the procedures are somewhat different, although the criteria are the same. If the PC-postage... specifically, the postage indicium must be scannable), it may be submitted to the PC-postage **vendor** for a refund. 'the **vendor**, in turn, applies to the USPS for a refund. The ... operate. It also requires that USPS auditors make field visits

10
to the PC-postage **vendors** to examine all of the physical specimens before the refmd can be authorized.

If the...method can Rirther comprise receiving a plurality of postage indicium requests at the centralized postage-**issuing** computer system from a plurality of end user computers, processing the requests at the centralized postage- **issuing** computer system, and transmitting the resulting self-validating unique postage indicia from the centralized postage- **issuing** computer system to the end user computers. The postage indicium requests may be embodied in... formats, but in the preferred method are embodied in single data streams. The centralized postage-**issuing** computer system can obtain the unique tracking numbers from various sources, but in the preferred...such as a tracking number, or two or more character strings such as a postage **vendor** IID, user account number, and piece count. The method further comprises receiving a postage indicium... case, the method can flirther comprise transmitting another unique identifier request from the centralized postage-**issuing** computer system to the master tracking computer system in response to receipt of the unique...the end user computer, and receiving the unique 1 5 identifier at the centralized postage-**issuing** computer system from a master tracking computer system. Alternatively, the received unique identifier can be stored in the centralized postage- **issuing** computer system prior to receiving the unique identifier request from the end user computer. In another preferred method, all of the steps are performed in the centralized postage-**issuing** computer system, with the exception of the receipt of the unique identifier request and the unique identifier received by the end user computer is transmitted to the centralized postage-**issuing** computer system.

In accordance with a sixth separate aspect of this first improvement, a postage... a postal system is provided. The system comprises an end user computer, a centralized postage-**issuing** computer system, and a communications link connecting the end user computer with the centralized postage-**issuing** computer system. The end user computer is configured for transmitting a postage indicium.

request to the centralized postage-**issuing** computer system over the communications link, and the centralized postage-**issuing** computer system ...tracking computer system can be configured for transmitting the tracking ID to the centralized postage-**issuing** computer system over the other communications link. The tracking ID may be transmitted to the centralized postage-**issuing** computer system in response to a unique

identifier request from the centralized postage-issuing computer system, or alternatively may be periodically transmitted to the centralized postage-issuing computer system with a pool of unassigned tracking ID's, which are then stored in...the other communications link, and for transmitting the unique character string to the centralized postage-issuing computer system over the communications link.

In accordance with a seventh separate aspect of this first improvement, a centralized postage-issuing computer system for issuing postage indicia within a postal system is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database storing a plurality of user accounts, and... a master tracking computer system, or alternatively from the end user computer.

The centralized postage-issuing computer system further comprises a ...indexing identifier (such as, e.g., a tracking ID or the combination of a postage vendor ID, user account, and piece count) to decrease the size of the postage indicium transmitted ...of this second improvement, a method of indexing a postage indicium within a centralized postage-issuing computer system having a plurality of user accounts is provided. The method comprises generating a...unique within a postal service (such as, e.g., the USPS) and comprises a postage vendor ID, user account number, and piece count, or alternatively, a unique tracking ID. The postage...validating postage indicium, and storing the indexed self-validating postage indicium within the centralized postage-issuing computer system. The digital signature may be generated by applying a private key to the ...reader.

In accordance with a third separate aspect of this second improvement, a centralized postage-issuing computer system for indexing postage indicia, for a plurality of user accounts within a postal system is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database, a postage indicium generation module, when executed...by means of a physically secure coprocessor device. In the preferred embodiment, the centralized postage-issuing computer system comprises a communications module, when executed by the data processing circuitry, configured for...accounts.

In accordance with a fourth separate aspect of this third improvement, a centralized postage-issuing computer system for providing status for a plurality of mail pieces tracked by a postal service is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database, a communications module, when executed by ...accordance with a fifth separate aspect of this third improvement, a method of determining whether issued postage has been used is provided. The method comprises storing information for a plurality of...indicate that a mail piece has been delivered. The method may further comprise determining that issued postage is unused if any

21

of the delivery statuses for the selected postage transactions...
...information.

In accordance with a sixth separate aspect of this third improvement, a centralized **postage-issuing** computer system for determining whether **issued** postage has been used is provided. The centralized **postage-issuing** computer system comprises data processing circuitry, a database, a communications module, when executed by the ...a database., and associating the postage transaction information with a user account. The centralized **postage- issuing** computer system further comprises a filtering module, when executed by the data processing circuitry, configured...been delivered. In the preferred embodiment, a filtering module is further configured for determining that **issued** postage is unused if any of the delivery statuses for the selected postage transactions indicates...of

1 0 Fig. 3;

Fig. 5 is a block diagram of a centralized **postage-issuing** computer system used in the first postal system of Fig. 3;

Fig. 6 is a block diagram of another centralized **postage- issuing** computer system used in the first postal system of Fig. 3;

1 5 Fig. 7...system of Fig. 3;

Fig. 9 is a flow diagram illustrating a procedure for indirectly **issuing** a tracking ID from the master tracking computer system of Fig. 7 to the end user computer of Fig. 4 via the

centralized **postage-issuing** computer system of Fig. 5;

Fig. 10 is a flow diagram illustrating a procedure for **issuing** a tracking ID from the centralized **postage- issuing** computer system of Fig. 6 to the end user computer of Fig. 4; Fig. 1...postageissuing computer system of Fig. 6 and for uploading postage information from the centralized

postage- issuing computer system to the master tracking computer system;

Fig. 12 is a flow diagram illustrating a procedure for directly **issuing** a tracking ID from the master tracking computer system of Fig. 7 to the end... ..illustrating a procedure for dispensing a self-validating unique postage indicium from the centralized **postage-issuing** computer system of Figs. 5, 6,

or 33 to ...1 0 of Fig. 15;

Fig. 17 is a block diagram of a centralized **postage-issuing** computer system used in

the second postal system of Fig. 15;

Fig. 18 is a...postal system of Fig. 25;

Fig. 29 is a block diagram of a centralized **postage-issuing** computer system used in

the third postal system of Fig. 25;

Fig. 30 is a...procedure for accumulating and updating 1 0 postage transaction information stored in the centralized **postage-issuing** computer system of

Fig. 29;

Fig. 32 is a flow diagram illustrating a procedure for **issuing** a refund within the

centralized **postage- issuing** computer system of Fig. 29;

Fig. 33 is a block diagram of still another centralized postage-issuing computer

system used in the first postal system of Fig. 3;

Fig. 34 is a...can be composed of the piece count or ascending register in combination with the postage **vendor** ID and user account number. In this case, detection of copy fraud can be ensured... ..that a tracking ID provides uniqueness with a single string of numbers, whereas a postage **vendor** ID/user account/piece count (or ascending register) combination provides uniqueness with two strings ...of characters. As will be described in further detail below, however, use of the postage **vendor** ID/user account/piece count (or ascending register) combination as the unique identifier can be... in response to requests for tracking ID's from end users, the postal service directly **issues** tracking ID's to the end users in a manner similar to that currently used... ..optionally, the postal service indirectly tracking ID's to the end users via a postage **vendor**. In any event, the postage **vendor** generates and sends self-validating unique postage indicia, which carry the **issued** tracking ID's, to the end users.

The tracking numbers contained with the self-validating... ..comprises a centralized postage indicia generation system 302, which includes a multitude of centralized postage-**issuing** computer systems 305/306/307 (referred to as "central computer systems" in the figures), each...includes a master tracking computer system 310 and a postage validation computer system 312.

As will be described in further detail below, the different configurations of centralized postage-**issuing** computer systems 305/306/307 represent different means for **issuing** the tracking ID's to the end user computers 308. As illustrated, the centralized postage- **issuing** computer systems 305/306/307, end user

27

computers 308, master tracking computer system...noted that, in the illustrated embodiment, communications among the end user computers 308, centralized postage-**issuing** computer system 305/306/307, master tracking computer system 310, and postage validation client of a postal **vendor**, and is the principal device for preparing mail pieces by printing the tracking ID's... ..self-validating unique postage indicia on the mail pieces when received by the centralized postage-**issuing** computer system 305/306/307. Each centralized postage-issuing computer system 305/306/307 is owned and operated by a postal **vendor** and is the principal device that dispenses unique postage indicia to the end...As previously discussed, however, these unique identifiers are preferably tracking ID's.

The centralized postage-**issuing** computer systems 306 and 307 are also the principal devices that directly transmit tracking ID ...when the end user computers 308 do not directly obtain the tracking ID's from the master tracking computer system 310. The centralized postage-**issuing** computer systems 306 and 307 differ from each other in that the centralized postage-**issuing** computer system 306 merely acts as a vehicle for passing on tracking ID's **issued** by the master tracking computer

system 310 to the end user computers 308, whereas the centralized postage-issuing computer system 307 actually **issues** tracking ID's from a previously stored pool of **unassigned** tracking M's, which are...from the master tracking computer system 310. In contrast to the centralized postage-issuing computer system 307,

systems 306/307, the centralized postage-issuing computer system 305 does not take part in the tracking ID **issuing** process. In this case, it is the master tracking computer system 310@ rather than the centralized postage- **issuing** computer system 305, that transmits tracking ID's to the end user computers 308 over...the end user computers 308 over communications links 322, or directly to the centralized postage- **issuing** computer systems 306 or 307 over communications links 316, which then ultimately be transmitted to...postage validation computer system 312 may optionally receive end user information from the centralized postage-**issuing** computer system 305/306/307 over communications links 318, or postage information associated with the... g., a modem, LAN connection, or Internet connection) for handling communications with the centralized postage-**issuing** computer system 305/306/307 over the communications link 314 or for handling communications with...module 416 will also contain the unique tracking ID when received from the centralized postage-**issuing** computer system 305/306/307.

The communications module 418 is configured for handling communications with the centralized postage-**issuing** computer system 305/306/307 over the communications link 314 (such as, e.g., transmitting...the one-dimensional barcode 220 corresponding to the tracking ID received from the centralized postage-**issuing** computer system 306/307 on the label 200. The postage indicia printing module 422 is **issuing** computer system 305/306/307.

Referring specifically to Fig. 33, the centralized postage-**issuing** computer system 305 comprises data processing circuitry 421 (such as, e.g., a Central Processor...database 428 of information about each of the user accounts received by the centralized postage-**issuing** computer system 306, a postage database 430 of records concerning each self-validating unique postage indicium generated by the centralized postage-**issuing** computer system 306, and a finance database 432 of records concerning each postage credit transaction... ..to a user account.

For example, the customer database 428 may contain the following information.

meter/license number, account status (active, hold, canceled, etc.), account name, account password (typically encrypted), user' ...information, or public key reference number (indicating which key was used by the centralized postage- **issuing** computer system 306 to digitally sign the unique postage indicium for this postage dispensing event...submodule 446 for generating a unique postage indicium containing the tracking ID and/or postage **vendor** ID/user account/piece count; (2) a digital signature generation subinodule 448 for deriving a...13 Piece

Count 4

-14 Signature 40

The "Indicia Version Number" identifies the version number **assigned** by the USPS to 5 the indicia data set. The "Algorithm ED" identifies the digital... ..the postage indicium. The "Certificate Serial Number" identifies the unique serial number of the certificate **issued** by the EBIP Certificate Authority.

The "Device ID" identifies the USPS- **assigned** ID for each postage **vendor**, and the user account for which the postage indicium will be **issued**. The "Ascending Register" identifies the total monetary value of all postage indicia ever produced for... ..zip code for the licensing post office. The "Tracking Number" identifies the unique tracking ID **issued** by the USPS for that particular ...the door for copy fraud.

Optionally, the destination zip code may be appended to the "**vendor** portion7" of the postage indicium, which is an area of the postage indicium. that is... ..by the USPS and not digitally signed.

Referring specifically to Fig. 5, the centralized postage-**issuing** computer system 306 differs from the centralized postage-**issuing** computer system 305 in that it provides means through which the master tracking computer system 3 1 0 **issue** tracking ED' ...to the end user computers 308. To the extent that the components of centralized postage-**issuing** computer systems 305 and 306 are similar, identical reference numbers have been used. In addition to the components contained in the centralized postage-**issuing** computer system 305, the

34
centralized postage-**issuing** computer system 306 comprises postage dispensing modules 427, which additionally include a tracking ID request...ID requests and receiving tracking ED's).

Referring specifically to Fig. 6, the centralized postage-**issuing** computer system 307 1 5 differs from the centralized postage-**issuing** computer system 306 in that rather than requesting and receiving tracking ID's from the...from the end user computers 308. To the extent that the components of centralized postage-**issuing** computer systems 306 and 307 are similar, identical reference numbers have been used.

In addition to the previously described components, the centralized postage-**issuing** computer system 307 comprises a local memory 452, which in addition to the previously described and a tracking information database 456 for storing each tracking ID that has been **issued** to an end user computer 308 and the postage information associated with each tracking ID, i.e., the information contained in the tracking ID request. The centralized postage- **issuing** computer system 307 farther comprises a set of postage dispensing modules 458, which in addition...of modems , a LAN connection, or Internet connection) for handling communication with the centralized postage-**issuing** computer systems 306/307 over communications links 316 or with the end user computers 308...also stores a tracking information database 472 for storing each tracking ED that has

been **issued** to an end user computer 308 and the postage information associated with each tracking ID...module 478. The communications module 474 is configured for handling communications with the centralized postage-**issuing** computer systems 306/307 over the communications links 316, or with end user computers 308... user computers 308, as well as transmitting pools of unassigned tracking ID's and receiving **assigned** tracking ID's and associated postage information to and from the centralized postage- **issuing** computer systems 307). The communications module 474 is also configured for handling communications with the... ..computer system 312 over the communications link 318 (such as, e.g., receiving requests for **assigned** tracking ID's, associated postage information, and current delivery status, and transmitting the **assigned** tracking ID's, associated postage information, and current delivery status). The tracking ID allocation module...unique tracking ID's in response to receiving tracking ID requests from the centralized postage-**issuing** computer systems 306, or optionally from the end user computers 308. The database management module 478 is configured for storing and retrieving **assigned** tracking ID's and associated postage information to and from the tracking information database 472...a LAN connection, or Internet connection) for handling communication with the centralized 1 5 postage-**issuing** computer system 305/306/307, postage scanning stations 484, and a local memory486. Ifthemastertrackingcomputersystem310andthepostagevalidation computer... unique identifier(s) contained in the postage indicium, e.g., the tracking ID and postage **vendor** ID/user account/piece count (or ascending register).

The postage validation modules 488 include a... ..module 495. The communications module 492 is configured for handling communications with the centralized postage-**issuing** computer systems 305/306/307 over the communications links 318 (such as, e.g., receiving...9, and with general reference to Figs. 3-5 and 7, a procedure for indirectly **issuing** a tracking ID from the master tracking computer system 3 1 0 to the end user computer 308 via the centralized postage-**issuing** computer system 306 and applying it to the label 200 will now be described. At...the communications link 314 (step 504).

38

At steps 506- 5 10, the centralized postage- **issuing** computer system 306 receives the tracking ID request from the end user computer 308, and...tracking computer system 3 1 0 receives the tracking ID request from the centralized postage- **issuing** computer system 306, allocates a unique tracking ID to the end user computer 308, records tracking ID to the centralized postage-**issuing** computer system 306. In particular, the communications interface 466, under control of the communications module... ..the associated postage information contained within the tracking ID request received from the centralized postage-**issuing** computer system 306, within the tracking information database 472 (step 516). The communications interface 466... ..over the communications link 316 (step 518).

At steps 520 and 522, the centralized postage-issuing computer system 306 receives the unique tracking ID from the master tracking computer system 3...and 526, the end user computer 308 receives the tracking ID from the centralized postage-issuing computer system 306 and prints the tracking ID on the label 200.

In particular, the...0, and with general reference to Figs. 3 -4 and 6-7, a procedure for **issuing** a tracking ED from the centralized postage-issuing computer system 307 to the end user computer 308 and applying it to the label... 308 generates and transmits a request for a unique tracking ID to the centralized postage-issuing computer system 307. Steps 528-532 are similar to steps 500-504 described with respect in detail here.

At steps 534-540, the centralized postage-issuing computer system 307 receives the tracking ID request from the end user computer 308, allocates...and 544, the end user computer 308 receives the tracking IID from the centralized postage-issuing computer system 306 and prints the tracking ID on the label 200.

Steps 542 and... a pool of unassigned unique tracking ID's will be downloaded into the centralized postage-issuing computer system 307 from the master tracking computer system 310, and **assigned** tracking ID's and the associated postage information will be uploaded from the centralized postage...system 310 in real-time, i.e., as the tracking ID's are **assigned** to the end user computers 308.

The procedure for performing these downloading and uploading functions... now described with respect to Fig. 11. At steps 546-552, the centralized postage-issuing computer system 307 retrieves all of the accumulated **assigned** tracking ID's and associated postage information and transmits it to the master tracking computer...computer system 307 and records it. In particular, the database management module 462 retrieves the **assigned** tracking ID's and associated postage information from the tracking information database 456 (step 546...generates a pool of unassigned tracking ID's and transmits it to the centralized postage-issuing computer system 307, and the centralized postage-issuing computer system 307 receives the pool of unassigned unique tracking ID's from the master...and with general reference to Figs. 3-5 and 7-8, a procedure for directly **issuing** a tracking IID from the master tracking computer system 310 to the end...user computer 308 generates and transmits a unique postage indicium request to the centralized postage-issuing computer system 305/306/307. In particular, the end...request over the communications link 314 (step 604).

At steps 606-618, the centralized postage-issuing computer system 305/306/307 receives the postage indicium request from the end user...forth in Table 2, including the unique identifier(s) (such as, e.g., the postage **vendor** ID/user account number in combination with the piece count or descending register number, and...end user computer 308 receives the self-validating unique postage indicium from the centralized

postage-issuing computer system 305/306/307 and
43

prints it on the label 200.

In particular, the communications interface 410, under control of the communications module 418...for any reason, the entire process is aborted even though a tracking ID has been **issued**, in which case, it will be "orphaned." Referring to specifically Fig. 14, and with general...of the mail piece (i.e., the unique tracking ID (if available), and the postage **vendor** ID/user account/piece count (or ascending register)) with the set of unique identifiers previously...It should be noted that additional transaction information can be obtained from the centralized postage-issuing computer system 305/306/307 or master tracking computer system 310 over the communications links 318 and 320. This process will not be described in further detail.

After the postage has been validated or rejected, the database management module...comprises a centralized postage indicia generation system 352, which includes a multitude of centralized postage-issuing computer systems 356, each of which includes a multitude of end user computers 358. The...master tracking computer system 360 and a postage validation computer system 362. The centralized postage-issuing computer system 356, end user computer 358, master tracking...embodiment, in response to requests for postage from end user computers 358, each centralized postage-issuing computer system 356 generates postage indicia, and rather than

transmitting it to the end user computers 358, indexes and stores the postage indicia. The postage indicia are...letters, or a combination thereof, and can be composed of tracking ID's postage

46

vendor ID/user account/piece count (or ascending register) combinations, similar to the...by the postage service 354 to obtain the stored postage indicia from the centralized postage-issuing computer systems 356. The centralized postage indicia generation methodology offers a host of new security...delivery address). The communications module 818 is configured for handling communications with the centralized postage-issuing computer system 356 over the

47

communications link 364 (such as, e.g., transmitting indexing 820 is configured for printing an indexing identifier 203 received from the centralized postage-issuing computer system 356 on a label 201. The completed label 201 is similar to the...e., a unique identifier. In this case, the unique identifier is composed of a postage **vendor** ID (07), user account number (500361), and piece count (1221) piece generated for this user...or PLANET barcode 260 illustrated in Fig. 21, can be used to represent the postage **vendor** ID, account...the examples in Figures 19, 20, 21 and 22 used the unique combinations of postage **vendor** ID, account number and piece count, one could alternately employ a postal authority assigned tracking number as the...has extensive experience, can be used.

With specific reference to Fig. 17, each centralized postage-issuing computer system 356 comprises data processing circuitry 820 (such as, e.g., a Central...822, which are similar to the same-named components of

the previously described centralized postage-issuing computer system 305 and will thus not be described in further detail. The centralized postage-issuing computer system 356 further comprises a local memory 824, which is similar to the local memory 424 of the previously described centralized postage-issuing computer system 305, with the exception that it includes a set of postage dispensing modules... since the postage indicium stored in the postage indicia database 831 of the centralized postage-issuing computer system 356 is digitally signed in accordance with the USPS EBIP specifications. The presence... ..that fraud attacks are very likely 1 5 to involve "insiders" employed by the postage vendor. To further ensure that the security system is impervious to even an insider attack, all...882, which are similar to the same-named components of the previously described centralized postage-issuing computer system 305 and will thus not be described in further detail. The postage validation...a password. The communications module 818 is configured for handling communications with the centralized postage-issuing computer system 356 over the communications link 368 (such as, e.g., transmitting postage indicium... ..validation module 894 is configured for validating the postage indicia obtained from the centralized postage-issuing computer system 356, and includes a public key association submodule 896, public keys 897, and...the end user computer 358 generates and transmits a indexing identifier to the centralized postage-issuing computer system 356. In particular, the end user operates the user interface 802 of the ...request over the communications link 364 (step 904).

At steps 906-910, the centralized postage-issuing computer system 356 receives and validates the indexing identifier request from the end user computer...with the pertinent transaction specific information (step 910).

At steps 912-916, the centralized postage-issuing computer system 356 then generates the ...digital signature with the postage indicium (step 916).

At steps 918-922, the centralized postage-issuing computer system 356 then indexes and records the self-validating postage indicium, and transmits the...and 926, the end user computer 554 receives the indexing identifier from the centralized postage-issuing computer system 356 and prints it on the label 201. In particular, the communications interface ...At steps 1002-1004, the postage validation computer system 362 requests from the centralized postage-issuing computer system 356 the self-validating postage indicium associated with the indexing identifier read... ..request over the communications link 368 (step 1004).

At steps 1004-1010, the centralized postage-issuing computer system 356 then receives the postage indicium request, and retrieves and transmits to the...the postage validation computer system 362 receives the self-validating postage indicium from the centralized postage-issuing computer system 356 and displays its contents to the postal verifier. In particular, the communications... ..of the communications module 892, receives the self-validating postage indicium from the centralized

postage-issuing computer system 356 over the communications link 368 (step 1012), and the postage scanning station...noted that rather than have the postal verifier validate the postage indicium, the centralized postage-issuing computer system 356 itself can validate the postage indicium. In this case, the postage indicia validation module 894 will be located in the centralized postage-issuing computer system 356. Thus, after the centralized postage-issuing computer system ...postage validation steps 1012, 1014, 1020, and 1022. If it is invalid, the centralized postage-issuing computer system 356 will transmit a Boolean false to the postage validation computer system 362...sent, the weight of the mail piece, mail class, etc.) (Fig. 35). The centralized postage-issuing computer system 356 illustrated in Fig.

17, and a mail recipient computer 378 illustrated in Fig. 36 are used to perform this process.

The centralized postage-issuing computer 356 is configured in the same manner as previously described, but now optionally stores...as a matter of course, the sender information is routinely stored in the centralized postage-issuing computer 356, as well as transmitted to the USPS, when the sender obtains an account with the postage **vendor**. Thus, these "meter holders" are known to the postage **vendor** and the USPS, and can be considered to be trusted individuals or entities.

Importantly, this sender identification information, along with postage information, can be easily retrieved by the centralized postage-issuing computer 356 upon receipt of the indexing identifier, and specifically, an associated tracking ID. With...g., a modem, LAN connection, or Internet connection) for handling communications with the centralized postage-issuing computer system 356 over a communications link 384, and local memory 1311. The user...The communications module 1318 is configured for handling communications with the centralized postage-issuing computer system 356 over the communications link 384 (such as, e.g., transmitting sender identification... identification information, along with the postage information, has already been recorded in the centralized postage-issuing computer system 356, and specifically the postage database 830, when the tracking number and postage was **issued** to the end user (presumably, the sender of the mail piece). At steps 1400-1404...computer 378 generates and transmits a request for sender identification information to the centralized postage-issuing computer system 356 by entering the tracking ID printed on the received mail...request over the communications link 384 (step 1404).

At steps 1406-1410, the centralized postage-issuing computer system 356 then receives the sender identification request, and retrieves and transmits to the ...module 1318, receives the sender identification information and associated postage information from the centralized postage-issuing computer system 356 over the communications link 384 (step 1412), and the user interface 1302... name of the sender. It should be noted that the fact that the centralized postage-issuing

computer system 356 was capable of retrieving and transmitting the sender ...sender is a trusted entity, since individuals or entities that maintain accounts with the postage **vendor** can typically be considered to be trusted. An insidious individual bent on wreaking havoc through the postal system would typically not maintain a trackable account with a postage **vendor**.

The use of a tracking ID in the postage indicium, or as an indexing identifier postal service in **issuing** refunds for unused postage. Consider a misprint scenario where an end user attempts to print... Mail label and the printing process fails in some way even though the postage was **issued**. The end user still wants to ship the package, so he/she will take corrective... 4+2 zip code, the same postage amount, but a different tracking ID, which is **issued** on a per-print basis. This scenario creates ... comprises a centralized postage indicia generation system 382, which includes a multitude of centralized postage-**issuing** computer systems 386, each of which includes a multitude of end user computers 388. The...this embodiment, in response to postage refund inquiries from an account administrator, each centralized postage-**issuing** computer system 386 retrieves previously stored postage transaction information, which contains, for each postage transaction, a tracking ID and an associated delivery status. The centralized postage- **issuing** computer 1 5 system 386 filters the retrieved postage transaction information for pertinent refund info...more transactions; (2) none of the transactions have ever been refunded in the past; (3) **issued** for the same account; (4) **issued** on the same day; (5) **issued** to the same destination; (6) **issued** for the same service class; (7) **issued** for the same postage amount; and (8) each transaction has an associated unique tracking ID...time stamped in the postage database and Ragged as "refunded"; (3) a refund request is **issued** to postage refIMd center 392; and (4) the refunded postage transaction is entered into a...message persists for days or weeks, one much conclude that the tracking ID was indeed **issued**, but the package never entered the postal system. As another example, an audit inquiry can... that do produce a scannable specimen. Normally, the specimen must be mailed to the postage **vendor**, which involves an additional mailing expense for ...the end user, as well as an additional effort for both end user and postage **vendor**. This process would allow end users to simply destroy misprint specimens if they met the... exemplary results of a refund pattern audit performed on the customers of a particular postage **vendor**. As can be seen, the ...be described in farther detail here.

With specific reference to Fig. 29, each centralized postage-**issuing** computer system 386 comprises data processing circuitry 1120 (such as, e.g., a Central Processor the same-named components of the previously described centralized postage- **issuing** computer system 305 and will thus not be described in further detail. The centralized postage-**issuing** computer system 386 further comprises a local memory 1124, which is similar to the local memory 424 of the previously described centralized postage- **issuing** computer system 305, with the exception that it includes postage dispensing/refund eligibility modules 1...other postage information previously described with respect to the postage database

430. The centralized postage-issuing computer system 386 further comprises a user interface 1123, which includes a keyboard 11...
...display 1127, which as will be described below, allows the account administrator to **issue** a refund inquiry.

Specifically, the postage dispensing/refund eligibility modules 1126 include a communications module...key 444), and will thus not be described in further detail.

Alternatively, a centralized postage-issuing computer system, in combination with the refund inquiry functionality, can be constructed similarly to the centralized postage-issuing computer system 307, wherein tracking ID's are **issued** to end user computers by the centralized postage-issuing computer system from a pool of pre-stored unassigned tracking ID's, or even more alternatively, wherein no tracking ID **issuing** functionality, in which case, the master tracking computer system directly **issues** tracking ID's to the end user computer.

A centralized postage-issuing computer system, in combination with the refund inquiry functionality, can be constructed similarly to the centralized postage-issuing computer system 356, wherein self-validating postage indicia are stored in the centralized postage-issuing computer system and indexing identifiers are transmitted to the end user computers.

61

Referring specifically...receives delivery status requests from, and transmits confirmatory delivery status information to, each centralized postage-issuing computer system 886 over the communications links 896. The confirmatory delivery status information is obtained storing and retrieving **assigned** tracking ID's and associated postage information (including delivery status) to and from the tracking...and associated delivery status, will now be described. At step 1200, tracking ID's are **issued** and applied to a multitude of mail pieces, as previously described.

Specifically, the tracking ID's can be indirectly **issued** from the master tracking computer system 390 to the end user computers 388 via the centralized postage-issuing computer system 386, as in steps 500-525 of Fig. 9. Alternatively, the tracking ID's can be directly **issued** from the centralized postage-issuing computer system 386, as in steps 528-544 of Fig.

10. Even more alternatively, the tracking ID's can be directly **issued** from the master tracking computer system 390 to the end user computers 388, as in...changing the status from "accepted" to "delivered."

At steps 1212 and 1214, the centralized postage-issuing computer system 386 generates and transmits a delivery status request to the master tracking computer...the master tracking computer system 390 receives the delivery status request from the centralized postage-issuing computer

system 386 and transmits the confirmatory delivery status information to the centralized postage-**issuing** computer system 386. Specifically, the communications interface 1166, under control of the communications module 1 master tracking computer system 390 without prompting by the centralized postage-**issuing** computer system 386.

At steps 1222 and 1224, the centralized postage-**issuing** computer system 386 receives the confirmatory delivery status information from the master tracking computer system...Referring to specifically Fig. 32, and with general reference to Fig. 29, the procedures for **issuing** a refund will now be described. At step 1230, the account administrator operates the user interface 1123 of the centralized postage- **issuing** computer system 386 to make a refund inquiry. The type of refund inquiry can...that carry tracking ID's that have never been refunded in the past, that are **issued** for the specific user account, and that have identical key postage transaction items, i.e.... future, so that it is not refunded multiple times. At step 1242, the account administrator **issues** a refund request to the postage refund center 392 of the postal authority (e.g.,

Claims:

...method of claim 30, wherein all of the steps are performed in a centralized postage-**issuing** computer system.

32 The method of claim 31, further comprising:

receiving a plurality of postage indicium requests at the centralized postage-**issuing** computer system from a plurality of end user computers; and transmitting the plurality of self-validating unique postage indicia from the centralized postage-**issuing** computer system to the plurality of end ...claim 32, farther comprising receiving the plurality of unique character strings at the centralized postage-**issuing** computer system from a master tracking computer system.

35 The method of claim 32, farther comprising receiving the plurality of unique character strings at the centralized postage-**issuing** computer system from the plurality of end user computers.

36 The method of claim 30...method of claim 46, wherein all of the steps are performed in a centralized postage-**issuing** computer system.

48 The method of claim 47, further comprising receiving the unique identifier at the centralized postage-**issuing** computer system from a master tracking computer system.

49 The method of claim 48, farther comprising transmitting another unique identifier request from the centralized postage- **issuing** computer system to the master tracking computer system in response to receipt of the unique... ..claim 48, farther comprising storing the received unique I O identifier within the centralized postage-**issuing** computer system prior to receiving the unique identifier request.

51 The method of claim 46... ..master tracking computer system, and the remaining steps are performed in a centralized postage **issuing** computer system, the method further comprising receiving the unique identifier at the centralized postage-**issuing** computer system from the end user computer.

52 The method of claim 46, wherein the... ..character strings.

55 The method of claim 54, wherein the unique identifier comprises a postage **vendor** ID, user account number, and piece count.

56 The method of claim 46, wherein the...system for implementation with a postal system, comprising:an end user computer;a centralized postage-**issuing** computer system;a communications link connecting the end user computer with the centralized postage-**issuing** computer system;wherein the end user computer is configured for transmitting a postage indicium request to the centralized postage-**issuing** computer system over the communications link, and the centralized postage-**issuing** computer system is configured for generating and transmitting a self-validating unique postage indicium to...further comprising;a master tracking computer system; andanother communications link connecting the centralized postage-**issuing** computersystem with the master tracking computer system;wherein the master tracking computer system is configured for transmitting the unique character string to the centralized postage-**issuing** computer system over the other communications link.

66 The system of claim 65, wherein the centralized postage-**issuing** computer system ...to the postage indicium request.

67 The system of claim 66, wherein the centralized postage-**issuing** computer system is further configured for storing the received character string within the centralized postage- **issuing** computer system prior to the postage indicium request.

68 The system of claim 64, further...the other communications link, and for transmitting the unique character string to the centralized postage-**issuing** computer system over the communications link.

69 The system of claim 64, further comprising:
aa plurality of communications links connecting the plurality of user computers withthe centralized postage-**issuing** computer system;wherein the plurality end user computers is configured for transmitting a plurality of postage indicium requests to the centralized postage-**issuing** computer system over the plurality of communications links, and the centralized postage-**issuing** computer system is configured for generating and transmitting a plurality of self-validating unique postage tracking computer system; andanother communications link connecting the centralized postage- **issuing** computersystem with the master tracking computer system;wherein the master tracking computer system is configured for transmitting the I O plurality of unique character strings to the centralized postage-**issuing** computer system over

the other communications link.

71 The system of claim 69, further comprising... communications links, and for transmitting the plurality of unique character strings to the centralized postage-**issuing** computer system over the plurality of communications links.

72 The system of claim 64, wherein system of claim 64, wherein the centralized postage- **issuing** computer system is configured for applying a private key to the unique character string to... ..mailing, originating zip code, software identification, descending register, and rate category.

77 A centralized postage-**issuing** computer system for **issuing** postage indicia within a postal system, comprising: data processing circuitry; a database storing a plurality string.

78 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is further configured for transmitting the self-validating unique postage indicium. to the end user computer.

79 The centralized postage- **issuing** computer system of claim 77, wherein the postage indicium. generation module comprises: a unique postage... ..unique postage indicia to generate the self-validating unique postage indicium.

80 The centralized postage-**issuing** computer system of ...receiving the unique character string from a master tracking computer system.

75. The centralized postage-**issuing** computer system of claim 80, wherein the communications module is further configured for transmitting a... ..to receiving the unique identifier request from the end user computer.

82 The centralized postage-**issuing** computer system of claim 80, further comprising a database management module for storing the received 83 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is further configured for receiving the unique character string from the end user computer.

84 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is configured for receiving a plurality...plurality of digital signatures of the plurality of unique character strings.

85 The centralized postage-**issuing** computer system of claim 84, wherein the communications module is further configured for receiving the plurality of unique character strings from a master tracking computer system.

86 The centralized postage-**issuing** computer system of claim 84, wherein the communications module is further configured for receiving the... ..of unique character strings from the plurality of end user computers.

87 The centralized postage-**issuing** computer system of claim 77, wherein the unique character string comprises a unique tracking ID.

88 The centralized postage-issuing computer system of claim 77, wherein the centralized postage-issuing computer system comprises a private key, and the postage indicium generation module is further configured...
...key to the unique character string to generate the digital signature.

76. The centralized postage-issuing computer system of claim 77, wherein the postal system is the United States Postal Service.

90 The centralized postage-issuing computer system of claim 77, wherein the unique postage indicium further has one or...91 A method of indexing a postage indicium within a database of a centralized postage-issuing computer system, the method comprising:generating a postage indicium associated with a mail piece;associating...based on the plurality of read indexing tracking IDs. 117. A centralized postage-issuing computer system for indexing a postage indicium, comprising: data processing circuitry; a database; a postage... postage indicium from the database based on the indexing tracking ID. 118. The centralized postage-issuing computer system of claim 117, wherein the indexing tracking ID is unique within a postal...for storing the indexed self-validating postage indicium within the database. 122. The centralized postage-issuing computer system of claim 121, wherein the postage indicium generation module comprises: 15 a... issuing computer system of claim 117, wherein the database is associated with a physically secure coprocessor device. 124. The centralized postage-issuing computer system of claim 117, further comprising a communications module, when executed by the... for transmitting the indexing tracking ID to the end user computer. 125. The centralized postage-issuing computer...the database based on the plurality of indexing tracking IDs. 127. The centralized postage-issuing computer system of claim 126, further comprising a communications module, when executed by the data... of indexing tracking IDs to the plurality of end user computers. 128. The centralized postage-issuing computer system of claim 126, further comprising a communications module, when executed by the data... 136. A method of indexing sender identification information within a database of a centralized postage-issuing computer system, the method comprising: generating sender identification information associated with a mail piece; associating... transmitting the sender identification information to the mail recipient computers. 143. A centralized postage-issuing computer system for indexing sender identification information, comprising: data processing circuitry; a database; an indexing... identification information from the database based on the indexing tracking ID. 144. The centralized postage-issuing computer system of claim 143, wherein the indexing tracking ID is unique within a postal service. 145. The centralized postage-issuing computer system of claim 144, wherein the postal system is the United States Postal Service. 84. The centralized postage-issuing computer system of claim 143, wherein the sender identification information comprises one or more items... the sender name, sender employer, sender address, and sender zip code. 147. The centralized postage-issuing computer system of claim 143, further comprising a communications module, when executed by the data... the retrieved indexed sender identification information to the mail recipient computer. 148. The centralized postage-issuing computer system of claim 143, wherein the indexing module is configured for

associating a plurality...database based on the plurality of indexing tracking IJDs. 5 149. The centralized postage-**issuing** computer system of claim 148, further comprising a communications module, when executed by the data...to indicate that the plurality of mail pieces have been delivered. 182. A centralized postage- **issuing** computer system for providing status for a plurality of mail pieces tracked by a postal...for updating the delivery status with the confirmatory delivery status information. 183. The centralized postage-**issuing** computer system of claim 182, further comprising a delivery status request module, when...configured for transmitting the request to the master tracking computer system. 184. The centralized postage-**issuing** computer system of claim 182, wherein the database management module is further configured...the stored postage transaction information with a plurality of user accounts. 185. The centralized postage-**issuing** computer system of claim 182, wherein the information for each postage transaction further comprises a postage transaction date. 186. The centralized postage-**issuing** computer system of claim 182, wherein the information for ...code, service class, postage amount, and mail piece weight. 187. A method of determining whether **issued** postage has been used, comprising: storing information for a plurality of postage transactions in a...to a postal authority. 189. The method of claim 187, further comprising determining that **issued** postage is unused if the any delivery statuses for the selected postage transactions indicates that...mail pieces have been delivered. 191. The method of claim 196, further comprising determining that **issued** postage is not unused. 198. A centralized postage-**issuing** computer system for determining whether **issued** postage has been used, comprising: ...selected postage transactions indicates that a mail piece has been delivered. 199. The centralized postage- **issuing** computer system of claim 198, wherein the filtering module is further configured for determining that **issued** postage is unused if the any delivery statuses for the selected postage transactions indicates that a mail piece has been delivered. 200., The centralized postage-**issuing** computer system of claim 198, wherein the one or more postage transaction items comprises a postage transaction date, destination zip code, service class, and postage amount. 201. The centralized postage-**issuing** computer system of claim 198, wherein the communications module is further configured for receiving confirmatory...

Dialog eLink: [Order File History](#)

3/3K/39 (Item 3 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00901394

METHOD AND SYSTEM FOR RETRIEVING DATA FROM THE XSLM LICENSE MANAGER
PROCEDE ET SYSTEME DE RECUPERATION DE DONNEES A PARTIR D'UN GESTIONNAIRE

DE LICENCE XSLM

Patent Applicant/Patent Assignee:

- **ISOGON CORPORATION**
330 Seventh Avenue, New York, NY 10001; US; US(Residence);
US(Nationality)

Inventor(s):

- **HELLBERG Per**
Isogon Corporation, 330 Seventh Avenue, New York, NY 10001; US

Legal Representative:

- **MOSKOWITZ Max(et al)(agent)**
Ostrolenk, Faber, Gerb & Soffen, LLP, 1180 Avenue of the Americas,
New York, NY 10036; US;

	Country	Number	Kind	Date
Patent	WO	200235482	A2-A3	20020502

ApplicationWO2001US5030720011025

PrioritiesUS200024321120001025

Designated States: (Protection type is "Patent" unless otherwise stated -
for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English
 Filing Language: English
 Fulltext word count: 7861

Detailed Description:

...corporations, organizations and individuals is licensed either directly or indirectly from a variety of software **vendors**. The rights granted the licensees can take a variety of forms. For example, a software... ..of the week, or based on any other set of rights and restrictions that the **vendor** may negotiate with the organization.

In many cases, **vendors** have incorporated protective mechanisms (PMs) into their software products to try and determine whether the... ..exceeded.

If the PM detects attempted violations, a variety of actions may be taken, from **issuing** a warning while allowing execution, to preventing the software from operating.

For the PM to... ..rights are. These are often supplied via an encrypted password or certificate which the software **vendor** gives to the organization, which in turn supplies it to the PM. Typically, a PM... ..supplied or is missing, expired, or otherwise not made "known" to the PM.

While many **vendors** have developed their own PMs to enforce license restrictions, some use general purpose software supplied to them by other **vendors**. Such facilities, known as License Managers (LMs), are available from a variety of **vendors**, including Isogon (LicensePower/FOR), Globetrotter (FLEXlm), I13M (LUM), and Rainbow (SentinelLM).

Typically, when a licensed... ..the LM, perhaps using an Application Programming Interface (API) defined for this purpose by the **vendor** of the LM, and supplying identification information consisting of the identity of the software product... ..out-of-compliance cell response to the licensed software product, which can take whatever action the **vendor** of the software product has deemed appropriate under that circumstance.

Similarly, the LM **vendor** may provide a management program or API that is used by applications that

implement such... ..enforcing license rights for a product that may encompass multiple computers.

While LMs from different **vendors** share the general functionality described above, they differ from one another in a variety of... ..operate the licensing system. If an end-user licenses two or more software products whose **vendors** have employed different LMs, the end-user will have to operate and administer multiple LM... ..if other products licensed by the end-user require LicensePower/IFOR (a product of the **assignee** of the present invention) and SentinelLM, these would have to be installed, operated and administered...logging of events related to license usage (e.g. an application requesting or releasing a **license**, or a **meter** being updated) will usually be under administrator's control.

The Management API: The Management API...license request activity by computer, or by user, or by time period, etc. The business **issues** addressed by various applications may include verification of license compliance, optimization of licensed rights, monitoring... ..log data
datao function will pertain to the activity of all products (possibly thousands), from all **vendors** (possibly hundreds or thousands), on all the computers that the License Server serves (possibly hundreds... ..require information pertaining to the activity of a small subset of those products and/or **vendors** and/or computers.

- 13

A further problem arises if the application or utility wishes to... ..request, and therefore the application or utility might engage one of several strategies. It could **issue**

a xslm-get

log

datao request specifying a start-time

that precedes the gathering of any log data, such as

of January 1, 1995. or it could **issue**

xslm-get

log

dataO requests for increasingly wider

time intervals (such as one month, three...is accomplished in several ways.

EMAPI functions are incorporated into the XSLM by the XSLM **vendor**;
EMAPI functions are implemented by augmenting the XSLM using exit routines;

EMAPI functions are implemented... ..parametric class, type and subtype information as input data. The current EMAPI function allows the **issuer** to request any number of classes, and for each class, any number of types, and... ..to the calling program, or "undo" the last partial specification, or save the specification and **assign** it a token for future reference, etc.

Optionally, the SD accepts specifications in any of ...Type SubtVpe Flag
 1 Administration Install New defer
 2 Administration Install Replace defer
 3 Administration **Assign** Nodes defer
 4 Administration **Assign** Users defer
 5 Administration **Assign** Capacity defer
 - 23
 6 Administration Set
 Policy Confirm-Interval defer
 7 Administration Set-Policy Reset... ..GETLOGX accepts additional input data
 allowing the specification of filters pertaining to categories such as **vendors**/products, users or computers. As shown in Figure 4, the filtering operation (step 43) is... ..the request, a log record must match each such category. In the case of the **vendors**/products category, log records must match at least one **vendor**/product combination.

The specification of filter categories is performed in the same manner as providing... ..operating on CPU1 or CPU2, and only regarding
 - 24

ProductA, ProductI3 or ProductC, all from **VendorX**, or ProductD or ProductE, both from **VendorY**, or ProductF from **VendorZ**. Graphically, the filter element list 50 for these might appear as in Figure 5.

The... ..EMAPI function called GETLASTUSE.

The calling program provides GETLASTUSE with input parameters such as the **vendor**-id, product-id, version-id, feature-id and certificate serial number for which the last... ..(6). As listed, these parameters are ordered by increasing specificity, with the most general one (**vendor**-id) first. One, some, or all of the parameters may be supplied, but only if... ..URs may reside in memory or in a database.

Thereafter, (Figure 6) when an application **issues** a GETLASTUSE request, the XSLM examines each UR

(step 62) to determine if the associated **vendor** name, product name, etc. satisfies the request. If so, the time and date of last... ..calling program may request information about a single product, or all products from a particular **vendor**, etc.

The XSLM specification allows for several certificates to be grouped together within one encompassing... ..xslm-get certificate requests, the XSLM searches for a UR matching the computer-id, certificate, **vendor**, product, version, etc. specified in the request. If no matching UR is found, one is... ..is then updated with the date and time of last use. Thereafter, when an application issues a GET-LAST-USE request, the XSLM examines each UR to determine if the associated computer-id, **vendor** name, product name, etc. satisfies the request. If so, the time and date ... of the select/suppress specification. These scope-defining parameters include items such as the XSLM **vendor**-id, product-id, version-id, feature-id, and certificate serial-number. As listed, these parameters are ordered by increasing specificity, with the most general one (**vendor**-id) first. One should note that this order is - 28 in accordance to their definition... ..also supplied.

For example, a product-id has no meaning except when associated with a **vendor**-id; a version-id is associated to a particular product-id; etc.

only those log... ..Extending this example, the application can refine the selection process to pertain to only three **vendors** (IBM, BMC and CA); three IBM products (IMS version 4, all versions of DB2, and... ..desired effect is achieved via the following sequence of requests to SET-RECORDING-STATUS.

Group **Vendor**-id Prod-id Vers-id Feature-id Cert#
1 Select ARG, AIN IBM IMS 4 None...for each RFR-id, etc.

- 31
Optionally, the calling application may have SET-RECORDING-STATUS assign a unique value to the RFR-id, returning it to the application, when a value...

Dialog eLink: Order File History

3/3K/40 (Item 4 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00872964

WEB-ENABLED VALUE BEARING ITEM PRINTING

IMPRESSION D'ARTICLES A VALEUR AFFICHEE ACTIVEE PAR LE WEB

Patent Applicant/Patent Assignee:

- **STAMPS COM**

Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405; US;
US(Residence); US(Nationality); (For all designated states except;
US)

Patent Applicant/Inventor:

- **GOODWIN Jonathan David**

30826 Calle Barbosa, Laguna Niquel, CA 92677; US; US(Residence);
US(Nationality); (Designated only for: US)

- **WINSLOW Richard B**

740 Basin Drive, Topanga, CA 90290; US; US(Residence);
US(Nationality); (Designated only for: US)

- **COWLES Daniel K**

8 Azalea, Irvine, CA 92620; US; US(Residence); US(Nationality);
(Designated only for: US)

Legal Representative:

- **TABANDEH Raymond R(agent)**

Christie, Parker, Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068;
US;

	Country	Number	Kind	Date
Patent	WO	200207104	A1	20020124

ApplicationWO2001US2219120010713

PrioritiesUS200028155320000713

Designated States: (Protection type is "Patent" unless otherwise stated -
for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language:	English
Filing Language:	English
Fulltext word count:	23953

Detailed Description:

...In one embodiment, a customer, preferably licensed by the USPS and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print a desired amount of... ..computer is in communication with a server computer located, for example, at a V131 meter **vendor's** facility (server system). The server system is capable of communicating with one or more...reports are generated. The Source IDs Database contains information about the incoming links to the **vendor's** website (e.g., partners' information, what services the **vendor** offers, what marketing program is associated with the incoming links, and co-branding information). Using... ..other marketing related information. Website database 410 keeps track of user accesses to the **vendor** website. TI-lis database keeps track of user who access the **vendor** website, users who are downloading information and programs, and the links from which users access the **vendor** website. After storing these data on the website Database 410, software tools are used to... ..inverted exclamation mark)ssued, bill credits, and bill debits), customer marketing information, commerce product information, **meter license** information, **meter** resets, **meter** history, and meter movement information. Consolidation Server 413 acts as a repository for data, centralizing... ..manages access to the contents of e- rmail that were sent out to everyone by **vendor** servers. The Stamp Mart database handles order form processing. The E-commerce Server 404 provides... ..capture funds from the customer's credit card account and to transfer them to the **vendor's** merchant bank. A Billing Service is used to provide bills through e-mail to... ..money destined for the USPS), or Chase for fee payments which is destined for the **vendor** account.

The E-commerce DBMS 406 manages access to the **vendor** specific Payment, Credit Card, and Email Databases. A Membership DBMS manages access to the LDAP...local machine to verify the accuracy of the address.

The Client software connects to the **vendor's** server and uses the central address database obtained from the USPS to verify... 422 makes calls into the cryptographic module to create sufficient meters to ensure that the **vendor** can meet customer acquisition demands. SMTP Server 418 communicates with other SMTP servers, and it ... shared hard drive to a hard drive that is not shared by any of the **vendor** servers.

-loProvider Server provides reporting and external communication: functionality including the following services. CMLS Service... s ACH account number. After decrypting ACH account information, the ACH is encrypted using the **vendor's** script library. Then, the encrypted ACH file is e-mailed to the Commerce Group by the SMTP server. When the Commerce Group receives this encrypted e-mail, the **vendor's** Decrypt utility application is used to decrypt the ACH e-mail. After verifying the... uses a modem to upload the ACH information to a proper bank. The Certificate Authority issues certificates for all IBIP meters. The certificates are basically used to provide authentication for indicia... MeterGen creates a certificate request with the public key, signs the request with a USPS-, issued smartcard, and submits the request to the USPS Certificate Authority. The Certificate Authority verifies the request came from the **vendor** then, it creates a new certificate and returns (inverted exclamation mark) to MeterGen. MeterGen... through signing up for a service plan. A Registration wizard group of screens handles the **meter license** application, and can also be accessed through the client- application through the Options screen. A... provider, the user's input is interpreted in order to pre-fill portions of the **meter license**. Specifically, if the user selects the first radio button, "Personal/Individual Use", the user is categorized as a "personal" user for the **meter license** application. If any of the other three radio buttons are selected, the user is categorized as a business user for the **meter license**. If the user selects one of the business categories, the data input into the business fields is stored both for use by the provider and for insertion into the **meter license** application.

Service Screen #6, in block 745, provides several types of information all related to... boxes add up to 100%. When storing the percentages for use in the USPS **meter license** application, the first two percentages (letters - standard envelopes and letters - windowed / pre printed) are added... purchase postage. The order is accepted at this time, but is not processed until the **meter license** has gone through. At the beginning of the registration wizard, the maximum and minimum purchase... is capable of gathering all of the information that is required by the USPS for a **Meter License** Application. The information that is extracted in this wizard is used to generate a USPS... the user know that he/she is entering the portion of the wizard where the **meter license** is filled out. The follow the Yellow Brick Road text will change to **meter License**

application., as shown in FIG. 1 OB.

In block 1 0 1 1, the user... illustrated in FIG. 1 00, serves the purpose of letting the user know that the **meter license** portion has been completed, and that the Print Configuration will be next. In addition, this... the user that the QA envelope should be sent in immediately, or the user's **meter license** may be revoked. A graphic of an envelope being placed into a mail box is... a fiction (see specific cases, below). For client / server communications, the server is able to **assign** a message to any of the following: Individual users, all users, and a group of... message than a Marketing Message. The Customer Service dialog is designed to communicate customer support **issues**, as shown in FIG. 17C. A Credit Card Promotion message type, as shown in FIG... software through an Affiliate Partner's web site, the account number that a user is **assigned** will embed in it information that identifies the source Affiliate Partner. Therefore, this account number... a user through the process of changing either a physical or mailing address, and the **meter license** ramifications that may result. An exemplary process flow of the Change of Address wizard is... Change of Address Screen #4, shown in FIG. 19E appears when a change in the **meter license** is not required (I.e. if the physical address hasn't changed or if the physical... the process that needs to be undertaken in order to withdraw and reapply for a **meter license**. Selecting "Next>" prompts the user with a warning dialog box, as shown in FIG. 19G... (inverted exclamation mark)zard is canceled.

Change of Address Screen #6 notifies the user that their **meter license** has been w(inverted exclamation mark)thdrawn.

In addition, (inverted exclamation mark)t prompts the... the appropriate withdrawal form to the USF'S on the user's behalf.

A Postal **Meter License** wizard is also provided. This option within the Options screen launches the new Registration wizard...

Dialog eLink: Order File History

3/3K/41 (Item 5 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00852793

SYSTEM AND METHOD FOR INSTANT ONLINE POSTAGE METERING
SYSTEME ET PROCEDE D'AFFRANCHISSEMENT INSTANTANE EN LIGNE

Patent Applicant/Patent Assignee:

- **PITNEY BOWES INC**
1 Elmcroft Road, Stamford, CT 06926; US; US(Residence);
US(Nationality)

Inventor(s):

- **BATOR Feliks**
89 Burroughs Road, Easton, CT 06612; US
- **CHAMBERLIN David B**
11 Hunter Ridge Road, Monroe, CT 06468; US
- **EUCHNER James A**
19 Schoolhouse Road, Waccabuc, NY 10597; US
- **FOTH Thomas J**
5099 Madison Avenue, Trumbull, CT 06611; US
- **OBREA Andrei**
62 Wilton Crest, Wilton, CT 06897; US
- **RICH David L**
14 Jodie Lane, Shelton, CT 06484; US
- **RILEY David W**
31 Woodland Drive, Easton, CT 06612; US

Legal Representative:

- **MALANDRA Charles R Jr(et al)(agent)**
Pitney Bowes Inc., 35 Waterview Drive, Shelton, CT 06484; US;

	Country	Number	Kind	Date
Patent	WO	200186411	A1	20011115

ApplicationWO2001US1444720010503

PrioritiesUS200020250720000505US200184867620010503

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,
NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;

MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 4855

English Abstract:

...25) for meter licenses for PC postage. The method includes the steps of a meter **vendor** obtaining a first **meter license** from the Post for a first meter (100); loaning the use of a first meter licensed in the customer's zip code to a customer (300); requesting a second **meter license** for the customer; initializing the first meter for use by the customer; and transferring the first meter to the Customer's **meter license** when the second **meter license** is received. Alternatively, when the second **meter license** is received a second meter is **assigned** to the customer (25) and the first meter is reassigned to the meter **vendor** (312).

Detailed Description:

...Nos. 4,725,718, 4,757,537 1 4,775,246 and 4,873,645, each **assigned** to the **assignee** of the present invention.

Presently, there are two postage metering device types: closed system and... verification. See U.S. Patents Nos. 4,725,718 and 4,831,555, each **assigned** to the **assignee** of the present invention.

Recently, the United States Postal Service ("USPS") has approved personal computer... a block diagram of a first embodiment of an instant virtual metering system with a **vendor** meter account dispensing postage for any origin zip code; Fig. 3 is a flow chart... diagram of a second embodiment of an instant virtual metering system with at least one **vendor** meter account for each origin zip code;

Fig. 5 is a flow chart of an alternate embodiment wherein a **vendor** meter account is loaned to a mailer while the mailer's meter license approval is in process;
2o and

Fig. 6 is another flow chart of a **vendor** meter account being loaned to a customer.

Detailed Description of the Present Invention

As previously ... accordance with the present invention, users can meter postage outside of the current process of **assigning** each user a

meter (inverted exclamation mark)(inverted exclamation mark)cense. In describing the present... ..database records in Data Center 30 include one or more meter accounts licensed to the **vendor**. In the instant virtual metering system 10, the **vendor** meter account(s) is (are) used by customers to obtain postage payment evidencing without waiting for meter accounts to be io **assigned** to individual customers.

Instant virtual postage metering system 10 provides a metering system that has... ..is disclosed in U.S. Patent No. 5,943,658, filed December 31, 1996,' and **assigned** to the **assignee** of the present invention.

Referring now to Fig. 2, in a first embodiment of the present invention, a **vendor** meter account 50, also referred to herein as rembte meter 50, is located at a remote Data Center 30 controlled, for example by the postage meter **vendor**. The meter account 50, which is **assigned** to the postage meter **vendor**, dispenses postage payment evidence to a plurality of customers 25. Customers 25 downloaid postage payment... ..meter 50, preferably through the Internet. Al(inverted exclamation mark) customers 25 dispense postage from **vendor** meter 50. When postage is dispensed, a customer 25 indicates in which local post office... ..during the interval. It is noted that Data Center 30 may include a plurality of **vendor** meter accounts 50 for the purpose of handling requests from a plurality of customers at... ..postage in the embodiment described in Fig. 2 is now described. At step 1 00, **vendor** obtains at least one **meter license** for an online **meter** account. The meter account is licensed to process transactions for a plurality of origin zip.... ..Ucense that heretofore must be approved before customer could downloaid postage. At step 108, the **vendor** processes customer information, such as name, address and method of payment (such as a credit... ..information, including recipient address and postage amount and origin zip code. At step 1 16, **vendor** 'loans" the use of the meter to the customer by processing the customer's requested transaction using the **vendor** meter account.

Such processing includes charging the customers credit card account for the amount of postage requested, accounting for the postage dispensed from the **vendor** meter 2o account and accounting for the dispensed postage by origin zip code. At step... ..transactions.

Referring now to Fig. 4, a second embodiment is described in which, the meter **vendor** has a plurality of meter accounts (meters) 50 **assigned** to it at Data Center 30, with at least one meter account 501 (where 1... ..m is the total number of zip codes in the U.S.) being licensed to **vendor** for dispensing postage in each zip code in the U.S. In this embodiment, the...the Internet. The number of meter accounts per zip code will be determined by the **vendor** to adequately support the customers requesting postage.

- 9 - 1

The present invention is suitable for... ..to requiring the customer to request a meter Ncense, but can be used for the **vendor** dispensing postage

from its online meter account to casual customers, i.e., customers who do not... ..be concluded using the previously provided customer information. It is further noted that the **vendor** can "loan" its **vendor** online meter account for a period of time, such as a day or until the customer meter license is approved, provided the **vendor** has a plurality of such accounts to handle a plurality of such requests. Such a... ..arrangement is described in more detail below.

To prevent misuse of a meter account not **assigned** to a customer, the system preferably identifies the customer, for example by username and password... ..the Post. In this embodiment, again a plurality of meters are licensed to the meter **vendor** (by zip code or al/inverted exclamation mark) at one zip code) and a meter... ..a customer. The customer uses this meter until receiving a license from the Post that **assigns** a new meter to the customer, at which time the loan of the temporarily **assigned** meter ends, which return the meter to a pool of available meters, and the customer begins using the **assigned**/ licensed meter.

Referring now to Fig. 5, the third embodiment is described as an alternative... ..immediately print postage while approval of the meter License is being processed. At step 200, **vendor** obtains a plurality of meter (inverted exclamation mark)(inverted exclamation mark)licenses corresponding to a... ..license that heretofore must be approved before customer could download postage. At step 208, the **vendor** processes customer information, such as name, address and method of payment (such as a credit... ..postage amount and origin zip code. At step 216, if a meter has not been **assigned** and is licensed to that customer, then at step 220, the meter **vendor** immediately temporarily **assigns** a meter from the plurality of meters that are licensed to the postage meter **vendor** to the customer. The postage meter **vendor** passes to the USPS a "meter move" notice, which is known procedure when a meter... ..card account for the amount of postage requested, accounting for the postage dispensed from the **vendor** meter account and accounting for the dispensed postage by origin zip code. At step 228... ..back that had their meter reclaimed, a different meter is picked from the pool and **assigned** to them. If at step 216, a meter has been **assigned** and licensed to the customer, then at step 242 the online postage transaction is completed... ..customer's new meter.

It will be understood that, for this embodiment, the postage meter **vendor** could have a plurality of meters that are registered at a single zip code, for example the postage meter **vendor**'s origin zip code. The postage meter **vendor** then loans such meters to customers with the "meter move" spec(inverted exclamation mark)fy... ..to the customer's selected method of payment, such as a credit card. The **meter license** remains in Pitney Bowes' name, and will return to a disabled state until it is... ..relationship exists between a provider of micropayment services on the Internet and the postage meter **vendor**, the postage meter **vendor** may collect funds for each instant metering transaction from the customer's account on the... ..referred to as indicia dispensing. A customer may request an indicium from the postage meter

vendor.

The **vendor** can dispense the rights to dispense the indicium by way of a secure file.

Upon... ..cost of payment being made from the customer's micropayment account to the postage meter **vendor** (who makes payment to the Post).

Yet another method related to postage payment is referred... ..the information (provided they have the appropriate bar code scanner). Alternatively, the - 14 - 15 meter **vendor** and maintain an active account while using a meter licensed to the third party. (inverted...

Claims:

...method for dispensing postage in response to a transaction request received by a postage meter **vendor** over the Internet from a customer, the method comprising the steps of: obtaining a first meter **license** from the Post, said first **meter license** being associated with a first online meter account **assigned** to a postage meter **vendor**; receiving information from the customer, said information corresponding to the transaction requested and payment method... ..Internet to any PC for printing, the system comprising: a data center maintained by a **vendor** of PC postage, the data center being accessible over the Internet by any PC remote thereto that communicates over the Internet; at least one metering account licensed to the **vendor** and maintained at the data center by the **vendor**; means at the data center for receiving a request for postage by customer through one... ..account corresponding to a different postal code.

7 The system of claim 4 wherein the **vendor assigns** a first one of the metering accounts to a first customer upon an initial transaction... ..exclamation mark) transactions by the first customer until the first customer qualifies for a postage **meter license** at which time the **vendor** transfers the **vendors** (inverted exclamation mark) (inverted exclamation mark) **license** for the first metering account to the first customer.
8 The system of claim 4 wherein the **vendor assigns** a first one of the metering accounts to a first customer upon an initial transaction... ..meter **License** at which time a second metering account is initialized for the customer postage **meter license** and the first metering account is **assigned** back to the **vendor**. 18

Dialog eLink: Order File History

3/3K/42 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULL TEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00811462

POSTAL SYSTEM INTRANET AND COMMERCE PROCESSING FOR ON-LINE VALUE BEARING SYSTEM

INTRANET POUR SYSTEME POSTAL ET TRAITEMENT COMMERCIAL POUR SYSTEME A VALEUR AFFICHEE

Patent Applicant/Patent Assignee:

- **STAMPS COM**
Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405; US;
US(Residence); US(Nationality); (For all designated states except:
US)

Patent Applicant/Inventor:

- **LINGLE Piers Christian**
11400 National Boulevard, No. 133, Los Angeles, CA 90064; US;
US(Residence); US(Nationality); (Designated only for: US)
- **KIYOHARA Keith Shoji**
1233 Sunset Avenue, Santa Monica, CA 90405; US; US(Residence);
US(Nationality); (Designated only for: US)
- **HWANG Kenneth Kay-Yih**
3254 Inglewood Boulevard, Los Angeles, CA 90066; US; US(Residence);
US(Nationality); (Designated only for: US)
- **VENKAT Girish**
Apt. 10, 10801 Rose Avenue, Los Angeles, CA 90066; US;
US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **KIMBELL Daniel R(agent)**
Christie, Parker & Hale, P.O. Box 7068, Pasadena, CA 91109-7068; US;

	Country	Number	Kind	Date
Patent	WO	200145051	A1	20010621

ApplicationWO2000US4129120001018

PrioritiesUS9916003619991018US9916011219991018US9915452319991019US9916070319991020US991604911999

Designated States: (Protection type is "Patent" unless otherwise stated -
for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,

MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language:	English
Filing Language:	English
Fulltext word count:	31658

Detailed Description:

...licensed by the USP S (or some other postal authority) and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print a desired amount of...55 and Provider Database 42. The Provider Subsystem 42B includes the following services: Central Metering **License** Services (CMLS), Central **Meter** Resetting Services (CMRS), Automated Clearing House (ACH) transactions, Credit Card services and Billing services. I...area. Of course, this may change.

In one embodiment, each Customer Support Representative will be **assigned** a unique Smartcard for access to the Postal Intranet. Each workstation is required to have...values. The meter in the PSD is completely de-activated once the withdrawn state is **assigned** after the USPS receives the PS 3601-C form.

Thereafter, the Stamps.com account is...Refund Process Flow 1312. In the process flow, the customer call CS for a Spoils **issue** 1314, and the Customer informs the CSR that they had a misprint and would like...com service fees in the next billing cycle; Instantly credit the customer's meter; Manually **issue** a check for the amount; or Do not credit customer. If the CSR can verify... ..the CS software) to show the refund and the reason. They will be able to **assign** a general credit to the customer's SDC account or meter with the reason for...time input into the system, and Administrator, the server will parse the log file to **assign** a successful or unsuccessful scan of an envelope to a particular customer. Each received envelope...other requests. Note that each payment is associated with a meter, not a I O **license**.

Each **meter** is affected by certain events listed in Table 1430 shown in

FIG. 76. Each meter...Processing System provides for Payment Processing.

Purchases are not processed until the customer has been **assigned** a license. Customers should be able to initiate manual purchases through the client or through...Representative can add postage to a meter for a variety of financial and customer support **issues**. The source type, the actual person making the request, the reason code, the amount, the...
...by Customer Support or Payment Administrator, the Payment Administrator or a Customer Service Representative can **issue** an immediate credit to a customer's credit card. The source type, the actual person ...or Returned since the last report. Customer Support should work with 57

customer to resolve **issues**. Customer Support sees the transaction status via their interface. Notify customer of payment rejection or...involves submitted bills to customers every month via email. Bill customers regardless of whether the **meter** or **license** is suspended or the meter is dormant. The Email Infrastructure does not need to be... ..each month; Process.

the monthly billing on the registration anniversary of each customer; Do not **assign** customers an anniversary day to ensure that billing is level loaded. It is assumed that...customer support direct meter credits and monthly billing line items (both debit and credit), are **assigned** SHU's.

The system will provide for the preparation of various reports. Preferably, reports are...and other information, an email to a customer can be recreated. Each email template is **assigned** an ID number. These ID numbers are then associated with different e-mails that the...line Postage System. The above processes and systems have been described in connection with the **assignee** Stamps.com for convenience sake.

Dialog eLink: Order File History

3/3K/43 (Item 7 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00796265

CRYPTOGRAPHIC MODULE FOR SECURE PROCESSING OF VALUE-BEARING ITEMS
MODULE CRYPTOGRAPHIQUE DE TRAITEMENT SECURISE D'ARTICLES A VALEUR AFFICHEE

Patent Applicant/Patent Assignee:

- **STAMPS COM**
Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405; US;

US(Residence); US(Nationality); (For all designated states except: US)

Patent Applicant/Inventor:

- **OGG Craig L**
4405 Cerritos Avenue, Long Beach, CA 90807; US; US(Residence); US(Nationality); (Designated only for: US)
- **CHOW William W**
3409 Stoner Avenue, Los Angeles, CA 90066; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **TABANDEH Raymond R(agent)**
Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068; US;

	Country	Number	Kind	Date
Patent	WO	200129776	A1	20010426

Application WO2000US2860020001016

Priorities US9916011219991018US9916004119991018US9916049119991020US9916050319991020US99160563199

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English
 Fulltext word count: 24912

Detailed Description:

...In one embodiment, a customer, preferably licensed by the USPS and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print a desired amount of...computer is in communication with a server computer located, for example, at a VBI meter **vendor's** facility (server system). The server system is capable of communicating with one or more...are generated. The Source IDs Database contains information about the incoming links 5 to the **vendor's** Website (e.g., partners' information, what services the **vendor** offers, what marketing program is associated with the incoming links, and co-branding information). Using... ..other marketing related information. Website database 41 0 keeps track of user accesses to the **vendor** website. This database keeps track of user who access the **vendor** website, users who are downloading information and programs, and the links from which users access the **vendor** website. After storing these data on the Website Database 41 0, software tools are used... ..meter information, postal transactions data, financial transactions data (e.g., credit card purchases, free postage **issued**, bill credits, and bill debits), customer marketing information, commerce product information, **meter license** information, **meter** resets, **meter** history, and meter movement information. Consolidation 5 Server 41 3 acts as a repository for **vendor** servers. The Stamp Mart database 1 5 handles order form processing. The E-commerce Server... ..capture funds from the customer's credit card account and to transfer them to the **vendor's** merchant bank. A Billing Service is used to provide bills through e-mail to... ..money destined for the USPS), or Chase for fee payments which is destined for the **vendor** account.

The E-commerce DBMS 406 manages access to the **vendor** specific Payment, Credit Card, and Email Databases. A Membership DBMS manages access to the LDAP... ..machine to verify the accuracy of the I address. The Client software connects to the **vendor's** server and uses the central address database obtained from the USPS to verify the... ..422 makes calls into the cryptographic module to create sufficient meters to ensure that the **vendor** can meet customer acquisition demands. SMTP Server 418 communicates with other SMTP servers, and itshared hard drive to a storage device that is not shared by any of the **vendor** servers. Provider Server provides reporting and external communication functionality including the following services. CMLS Service... ..ACH account number.

I After decrypting ACH account information, the ACH is encrypted using the **vendor's** script library. Then, the encrypted ACH file is e-mailed to the Commerce Group by the SMTP server. When the Commerce Group receives this encrypted e-mail, the **vendor's** Decrypt utility application is used to decrypt the ACH e-mail. After verifying the... ..uses a modem to upload the ACH information to a proper bank. The Certificate Authority

issues certificates for all IBIP meters. The certificates are basically used to provide authentication for indicia...request to the USPS Certificate Authority. The Certificate Authority verifies the request came from the **vendor** then, it creates a new 5 certificate and returns it to MeterGen, MeterGen verifies the...Administrator role, in Administrative state only. Administrative state is entered by the Start Admin command, **issued** by a Security Officer in Operational state.

All sensitive Administrative commands are collected in Administrative...control. Secondly, the transition to Administrative state will ensure that no operational commands can be **issued** by the Administrator (separation of duties). Finally, Administrative state can only be reached from Operational... that initialization of the module has been completed successfully before any administrative command can be **issued**. The End Admin command causes the module to transition back to Operational state.

Preferably, the... be established at a time.

After authenticating to select a role, the entity can then **issue** any command that is available to that role. Preferably, meter users are authenticated-on a...shares of the MKS keys requires dual control. The 3 0 Security Officer should first **issue** a create MKS shares command to specify the number of shares to be created and...modifying user accounts. The module enters this state from Operational state when a Security Officer **issues** the Begin Admin command in operational state. It remains in this state until the Security Officer **issues** the End Admin command (next state: operational).

5 Exporting Shares state. This state allows the... of the MKS. The module enters this state from operational state when a Security Officer **issues** the Create MKS Shares command. It remains in this state until all shares have been exported (via the Export MKS Share command) or the Abort Export command is **issued** (in both cases, the next state is operational). If the Abort Export command is **issued** before all shares are exported, the exported shares may be useless.

Importing Shares state. This... of the MKS.. The module enters this state from operational state when a Security Officer **issues** a Start Importing MKS command. It remains in this state until a Combine Shares command is **issued** (next state: operational if an MKS exists after completion, else error).

Error state The coprocessor...the lifetime I of a module. The only way to enter Initializing state is by **issuing** the "Start Initialization" command from the Uninitialized state. This ensures that upon entry to the...audited.

As shown in FIG. 6, Administrative state is entered by the Start Admin command, **issued** by a Security Officer. The administrative commands in

Administrative state require Administrator user role. This... ..control. Secondly, the transition to administrative state will ensure that no operational commands can be **issued** by the Administrator (separation of duties).

1 0 The Exporting Shares state exports encrypted shares... ..an imported MKS is a retained key). The export is initiated by a Security Officer **issuing** the Create MKS Shares 1 5 command in Operational state. This command changes state to... ..Shares. The actual export of the encrypted shares is done through the Export Share command, **issued** by a Key Custodian. Encryption of the shares is under the Transport Public Key. This... ..MKS. The encryption is done under the Transport Key. Importing shares state is entered by **Issuing** the Start Importing MKS command. The actual import is performed by repeating the Import Share... ..Module is not considered to be a crypto module and no authentication is required to **issue** this command. The start initialization command first erases all non-volatile memory to destroy any... ..1 0 2. The Security Officer logs on to the newly initialized target Module and **issues** a command to generate a transport key pair (TPK). The TPK is a RSA public...machine housing the master module. The Security Officer logs on to the master module and **issues** the create MKS shares command. The create MKS shares command accepts two arguments: (1) the... ..2. The first Key Custodian inserts their MKS share floppy or CDROM, logs in, and **issues** the import MKS share command. The target module reads in the first share. This procedure... ..final Key Custodian has finished entering the key share, the Security Officer logs in and **issues** the combine MKS shares command. The combine MKS shares command causes the target module to... ..PSD package states.

Raw state. As a result of initialization the meter serial number is **assigned**, the postal registers are set to zero, the PSD keys are generated, and all other... ..1 5 can be executed while in the unleased state is the configure PSD command.

Assigned state. The configure PSD command **assigns** the PS D to a customer, allows entry of the customer shared secrets, and places the PSD in the **assigned** state . When the customer's postal license is **issued**, the authorize customer command enters the customer's originating zip code and places the PSD ..key is loaded. Private keys used during new customer registration are loaded. These commands are **issued** by the Security Officer.

The initialize PSD command **assigns** the device ID, set the postal registers to zero and I generates the PSD public... ..correctly.

The authorize customer command enters the originating zip code after the server receives the **meter license** and then the maximum descending register limit is set. This command is authenticated as a... ..session between the user's PC and the module has been established. When the user **issues** an scasmOpenSession command, application software on the user's PC and corresponding software in the...to the command. The host and

module can verify that it is their counterpart that **issued** the command because no other entity can generate the MAC. Optionally, the command data can... ..is, all host-initiated commands require an active user with an appropriate role (authorized to **issue** the given command). Except for Default role, this implies that a user (with that role...

Dialog eLink: Order File History

3/3K/44 (Item 8 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00796264

CRYPTOGRAPHIC MODULE FOR SECURE PROCESSING OF VALUE-BEARING ITEMS
MODULE CRYPTOGRAPHIQUE DE TRAITEMENT SECURISE D'ARTICLES A VALEUR
AFFICHEE

Patent Applicant/Patent Assignee:

- **STAMPS COM**

Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405; US;
US(Residence); US(Nationality); (For all designated states except:
US)

Patent Applicant/Inventor:

- **OGG Craig L**

4405 Cerritos Avenue, Long Beach, CA 90807; US; US(Residence);
US(Nationality); (Designated only for: US)

- **CHOW William W**

3409 Stoner Avenue, Los Angeles, CA 90066; US; US(Residence);
US(Nationality); (Designated only for: US)

- **VENKAT Girish**

Apt. 10, 10801 Rose Avenue, Los Angeles, CA 90034; US;
US(Residence); IN(Nationality); (Designated only for: US)

- **LINGLE Piers C**

11400 National Boulevard, No. 133, Los Angeles, CA 90064; US;
US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- **TABANDEH Raymond R(agent)**

Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA
91109-7068; US;

	Country	Number	Kind	Date
Patent	WO	200129775	A1	20010426

ApplicationWO2000US2853920001016

PrioritiesUS9916011219991018US9916004119991018US9916049119991020US9916050319991020US9916056319991020

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 27477

Detailed Description:

...In one embodiment, a customer, preferably licensed by the USPS and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print a desired amount of...computer is in communication with a server computer located, for example, at a VBI meter **vendor's** facility (server system). The server system is capable of communicating with one or more...generated. The Source IDs Database contains information about the incoming links I O to the **vendor's** Website (e.g., partners' information, what services the **vendor** offers, what marketing program is associated with the incoming links, and co-branding information). Using... ..marketing related information. Website 1 5 database 410 keeps track of user accesses to the **vendor** website. This database keeps track of user who access the **vendor** website, users who are downloading information and programs, and the links from which users

access the **vendor** website. After storing these data on the Website Database 41 0, software tools are used... ..meter information, postal transactions data, financial transactions data (e.g., credit card purchases, free postage **issued**, bill credits, and bill debits), customer marketing information, commerce product information, **meter license** information, **meter** resets, **meter** history, and meter movement information. Consolidation 3 0 Server 41 3 acts as a repository... ..manages access to the contents of e-mail that were sent out to everyone by **vendor** servers. ...capture funds from the customer's credit card account and to transfer them to the **vendor**'s merchant 1 5 bank. A Billing Service is used to provide bills through e... ..money destined for the USPS), or Chase for fee payments which is destined for the **vendor** account.

The E-commerce DBMS 406 manages access to the **vendor** specific Payment, Credit Card, and Email Databases. A Membership DBMS manages access to the LDAP... ..local machine to verify the accuracy of the address. The Client software connects to the **vendor**'s server and uses the central address database obtained from the USPS to verify the... ..calls into the cryptographic module to create sufficient meters 1 5 to ensure that the **vendor** can meet customer acquisition demands. SMTP Server 418 communicates with other SMTP servers, and it... ..shared hard drive to a storage device that is not shared by any of the **vendor** servers.

Provider Server provides reporting and external communication functionality including the following services. CMLS Service... ..s ACH account number.

After decrypting ACH account information, the ACH is encrypted using the **vendor**'s script library. Then, the encrypted ACH file is e-mailed to the Commerce Group by the SMTP server. When the Commerce Group receives this encrypted e-mail, the **vendor**'s Decrypt utility application is used to decrypt the ACH e-mail. After verifying the... ..uses a modem to upload the ACH information to a proper bank. The Certificate Authority **issues** certificates for all IBIP meters. The certificates are basically used to provide authentication for indicia...request to the USPS Certificate Authority. The Certificate Authority verifies the request came from the **vendor** then, it creates a new I 0 certificate and returns it to MeterGen, MeterGen verifies...Administrator role, in Administrative state only. Administrative state is entered by the Start Admin command, **issued** by a Security Officer in Operational state.

All sensitive Administrative commands are collected in Administrative... ..control. Secondly, the transition to Administrative state will ensure that no operational commands can be **issued** by the Administrator (separation of duties). Finally, Administrative state can only be reached from Operational... ..of the module has been completed successfully 1 5 before any administrative command can be **issued**. The End Admin command causes the module to transition back to Operational state.

Preferably, the... ..be established at a time.

After authenticating to select a role, the entity can then **issue** any command that is available to that role. Preferably, meter users are authenticated on a...of the shares of the MKS keys requires dual control. The Security Officer should first **issue** a create MKS shares command to specify the number of shares to be created and...user accounts. The module enters this state I from Operational state when a Security Officer **issues** the Begin Admin command in operational state. It remains in this state until the Security Officer **issues** the End Admin command (next state: operational) .

Exporting Shares state. This state allows the Keyof the MKS. The module enters this state from operational state when a Security Officer **issues** the Create MKS Shares command. It remains in this state until all shares have been exported (via the Export MKS Share command) or the Abort Export command is **issued** (in both cases, the next state is operational). If the Abort Export command is **issued** before all shares are exported, the exported shares may be useless.

I 0 Importing Shares.... ..of the MKS. The module enters this state from operational state when a Security Officer **issues** a Start Importing MKS command. It remains in this state until a Combine Shares command is **issued** (next state: operational if an MKS exists after completion, else error).

Error state The coprocessor...in the lifetime of a module. The only way to enter Initializing state is by **issuing** the "Start Initialization" command from the Uninitialized state. This ensures that upon entry to the...audited.

As shown in FIG. 6, Administrative state is entered by the Start Admin command, **issued** by a Security Officer. The administrative commands in Administrative state require Administrator user role. This... ..control. Secondly, the transition to administrative state will ensure that no operational commands can be **issued** by the Administrator (separation of duties).

The Exporting Shares state exports encrypted shares of a... ..an imported MKS is a retained key). The export is initiated by a Security Officer **issuing** the Create MKS Shares I command in Operational state. This command changes state to Exporting Shares. The actual export of the encrypted shares is done through the Export Share command, **issued** by a Key Custodian. Encryption of the shares is under the Transport Public Key. This... ..MKS. The encryption is done under the Transport Key. Importing shares state is entered by **issuing** the Start Importing MKS command. The actual import is performed by repeating the Import Share... ..Module is not considered to be a crypto module and no authentication is required to **issue** this command. The start initialization command first erases all non-volatile memory to destroy any... ..described above.

2. The Security Officer logs on to the newly initialized target Module

and **issues** a command to generate a transport key pair (TPK). The TPK is a RSA public...machine housing the master module. The Security Officer logs on to the master module and **issues** the create MKS shares command. The create MKS shares command accepts two arguments: (1) the... ..2. The first Key Custodian inserts their MKS share floppy or CDROM, logs in, and **issues** the import MKS share command. The target module reads in the first share. This procedure... ..final Key Custodian has finished entering the key share, the Security Officer logs in and **issues** the combine MKS shares command. The combine MKS shares command causes the target module to... ..PSD package states.

Raw state. As a result of initialization the meter serial number is **assigned**, the postal registers are set to zero, the PSD keys are generated, and all other... ..command that can be executed while in the unleased state is the configure PSD command.

Assigned state. The configure PSD command **assigns** the PSD to a customer, allows entry of the customer shared secrets, and places the PSD in the **assigned** state. When the customer's postal license is issued, the authorize customer command enters the customer's originating zip code and places the PSD...key is loaded. Private keys used during new customer registration are loaded. These commands are **issued** by the Security Officer.

The initialize PSD command **assigns** the device ID, set the postal registers to zero and generates the PSD public keys... ..correctly.

The authorize customer command enters the originating zip code after the server receives the **meter license** and then the maximum descending register limit is set. This command is authenticated as a... ..session between the user's PC and the module has been established. When the user **issues** an scasmOpenSession command, application software on the user's PC and corresponding software in the...to the command. The host and module can verify that it is their counterpart that **issued** the command because no other entity can generate the MAC. Optionally, the command data can... ..is, all host-initiated commands require an active user with an appropriate role (authorized to **issue** the given command). Except for Default role, this implies that a user (with that role...

Claims:

...method comprising the steps of requesting by a user authorization for a role; 10 **assigning** a security device transaction data to the requesting user, wherein the security device transaction data... ..the plurality of cryptographic devices; authenticating the identity of the user; granting the requested role; **issuing** a command that is available for the requested role; and 15 executing the **issued** command. 132. The method of claim 131, wherein at least one of the users...

Dialog eLink: Order File History

3/3K/45 (Item 9 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00796232

MACHINE DEPENDENT LOGIN FOR ON-LINE VALUE-BEARING ITEM SYSTEM
OUVERTURE DE SESSION SPECIFIQUE DE MACHINE POUR SYSTEME EN LIGNE
D'ARTICLES PORTANT UNE VALEUR

Patent Applicant/Patent Assignee:

- STAMPS COM**

3420 Ocean Park Boulevard, No. 1040, Santa Monica, CA 90405; US;

US(Residence); US(Nationality); (For all designated states except:

US)

Patent Applicant/Inventor:

- OGG Craig L**

4405 Cerritos Avenue, Long Beach, CA 90807; US; US(Residence);

US(Nationality); (Designated only for: US)

- LINGLE Piers C**

3420 Ocean Park Boulevard, No. 1040, Santa Monica, CA 90405; US;

US(Residence); US(Nationality); (Designated only for: US)

- BUSSELL Keith David**

2607 South Sepulveda Boulevard, N. 103, Los Angeles, CA 90064; US;

US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

- TABANDEH Raymond R(agent)**

Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA

91109-7068; US;

	Country	Number	Kind	Date
Patent	WO	200129741	A2-A3	20010426

ApplicationWO2000US4129820001018

PrioritiesUS9916004019991018US9916003819991018US9916049119991020US9916070819991020

Designated States: (Protection type is "Patent" unless otherwise stated -

for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE,
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SI; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language:	English
Filing Language:	English
Fulltext word count:	11707

Detailed Description:

...one embodiment. a customer (user). preferably licensed by the USPS and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print a desired I O...computer is in communication with a server computer located, for example. at a VBI meter **vendor's** facility (server system). The server system is capable of communicating with one or more... incoming links to the -N.,endor's Website (e.cy., partners' information, what services the **vendor** offers. what marketing program is associated with the incoming links. and co-branding information). Usingmarketing related information. Website database 4 1 0 keeps track of user accesses to the **vendor** website. This database keeps track of user who access the **vendor** website. users who are downloading information and programs, and the links from which users access the **vendor** website. After storing these data on the Website 3 5 Database 4101, software tools are... ..meter information). postal transactions data. financial transactions data (e.g., credit card purchases. free postage **issued**. bill credits, and bill debits). customer marketing information. commerce product information, **meter license** information. **meter** resets. **meter** history, and meter movement information. Consolidation Server 41 3) acts as a repository for datato the 22 5 contents of e-mail that were sent out to everyone by **vendor** servers. The Stamp Mart database handles order form processing. The E-commerce Server 404 provides... ..capture funds from the customer's credit card account and to transfer them to the

vendor's merchant bank. A Billing Service is used to provide bills through e-mail to... ..for 3 5 the USPS), or Chase for fee payments which is destined for the **vendor** account.

The E-commerce DBMS 406 manages access to the **vendor** specific Payment. Credit Card, and E-mail Databases. A Membership DBMS manages access to the...local machine to verify the accuracy of the address. The Client software connects to the **vendor's** server and uses the central address database obtained from the USPS to verifyN., the... ..422 makes calls into the cryptographic module to create sufficient meters to ensure that the **vendor** can meet customer acquisition demands. SMTP Server 418 communicates with other SMTP servers, and itshared hard drive to a hard drive that is not shared by any of the **vendor** servers.

Provider Server provides reporting and external communication functionality including the following services. CMLS Service... ..s ACH account number.

After decrypting ACH account information, the ACH is encrypted using the **vendor's** script library. Then, the encrypted ACH file is e-mailed to the Commerce Group by the SMTP server. When the Commerce Group receives this encrypted e-mail, the **vendor's** Decrypt utility application is used to decrypt the ACH e-mail. After verifying the... ..uses a modem to upload the ACH information to a proper bank. The Certificate Authority **issues** certificates for all IBIP meters. The certificates are basically used to provide authentication for indicia... ..request to the USPS Certificate Authority. The Certificate Authority verifies the request came from the **vendor** then, it creates a new certificate and returns it to MeterGen, MeterGen verifies the certificate...the Welcome Screen of a GettinLy Started Wizard. Alternatively, it can be accessed from the **vendor** Program Group - **vendor** Internet Postage Re-register. Finally, this screen opens if the user clicks -Yes" in the...the user to enter the secret code they supplied when they first registered with a **vendor**. Preferably, the question changes based on the original secret code question selected by the user...that graphics are authorized by the Internet VBI system. Each graphic (e.a., bitmap) is **assigned** with a unique digital signature resource file.

This digital signature file is created by running...

Claims:

...verif@7ing the advertisement graphics using a DSA algorithm. a public key, and a previously **assigned** digital signature.

->o

48 The system of claim 47. wherein the computer executable code verifies...of verifying the advertisement graphics using a DSA algorithm, a public key, and a previously **assigned** digital signature.

76 The method of claim 74, wherein the verifying step comprises the step...

Dialog eLink: [Order File History](#)

3/3K/46 (Item 10 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00760538

ONLINE VALUE BEARING ITEM PRINTING
IMPRESSION EN LIGNE D'ARTICLE A VALEUR AFFICHEE

Patent Applicant/Patent Assignee:

- **STAMPS COM**
Suite 1040, 3420 Ocean Park Boulevard, Santa Monica, CA 90405; US;
US(Residence); US(Nationality); (For all designated states except:
US)

Patent Applicant/Inventor:

- **LINGLE Piers Christian**
11400 National Boulevard #133, Los Angeles, CA 90064; US;
US(Residence); US(Nationality); (Designated only for: US)
- **OGG Craig Leonard**
4208 Boyar Avenue, Long Beach, CA 90807; US; US(Residence);
US(Nationality); (Designated only for: US)
- **VENKAT Girish**
Apt. 10, 10801 Rose Avenue, Los Angeles, CA 90034; US;
US(Residence); IN(Nationality); (Designated only for: US)
- **WINSLOW Richard**
4133 Jasmine Avenue, Culver City, CA 90232; US; US(Residence);
US(Nationality); (Designated only for: US)
- **KIYOHARA Keith Shoji**
1233 Sunset Avenue, Santa Monica, CA 90405; US; US(Residence);
US(Nationality); (Designated only for: US)

Legal Representative:

- **TABANDEH Raymond R(agent)**
Christie, Parker & Hale, LLP, Post Office Box 7068, Pasadena, CA
91109-7068; US;

	Country	Number	Kind	Date
Patent	WO	200073963	A2-A3	20001207

ApplicationWO2000US1493720000601

PrioritiesUS9913692419990601US9913915319990614US9916049119991020

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 15105

Detailed Description:

...In one embodiment, a customer, preferably licensed by the USPS and registered with an IBIP **vendor** (such as Stamps.com), sends a request for authorization to print ...computer is in communication with a server computer located, for example, at a VBI meter **vendor's** facility (server system). The server system is capable of communicating with one or more... ...meter information, postal transactions data, financial transactions data (e.g., credit card purchases, free postage **issued**, bill credits, and bill debits), customer marketing information, commerce product information, **meter license** information, **meter** resets, **meter** history, and meter movement information. Consolidation 1 0 Server 413 acts as a repository for... ...manages access to the contents of e-mail that were sent out to everyone by **vendor** servers. The Stamp Mart database handles order form processing. The E-commerce Server 404 provides...

...capture funds from the customer's credit card account and to transfer them to the **vendor's** merchant bank. A Billing Service is used to provide bills through e-mail to... ..money destined for the USPS), or Chase for fee payments which is destined for the **vendor** account.

The E-commerce DBMS 406 manages access to the **vendor** specific Payment, Credit Card, and Email Databases. A Membership DBMS manages access to the LDAP... ..shared hard drive to a hard drive that is not shared by any of the **vendor** servers.

Provider Server provides reporting and external communication functionality including the following services. CMLS Service...s ACH account number. After decrypting ACH account information, the ACH is encrypted using the **vendor's** script library. Then, the encrypted ACH file is e-mailed to the Commerce Group by the SMTP server. When the Commerce Group receives this encrypted e-mail, the **vendor's** Decrypt utility 1 5 application is used to decrypt the ACH e-mail. After... ..uses a modem to upload the ACH information to a proper bank. The Certificate Authority issues certificates for all IBIP meters. The certificates are basically used to provide authentication for indicia... ..request to the USPS Certificate Authority, The Certificate Authority verifies the request came from the **vendor** then, it creates a new certificate and returns it to MeterGen, MeterGen verifies the certificate...through signing up for a service plan. A Registration wizard group of screens handles the **meter license** application, and can also be accessed through the client application through the Options screen. A...provider, the user's input is interpreted in order to pre-fill portions of the **meter license**. Specifically, if the user selects the first radio button, "Personal/Individual Use", the user is categorized as a "personal" user for the **meter license** application. If any of the other three radio buttons are selected, the user is categorized as a business user for the **meter license**. If the user selects one of the business categories, the data input into the business fields is stored both for use by the provider and for insertion into the **meter license** application.

Service Screen #6, in block 745, provides several types of information all related to...purchase postage. The order is accepted at this time, but is not processed until the **meter license** has gone through. At the beginning of the registration wizard, the maximum and minimum purchase... ..capable of gathering all of the information that is required by the USPS for a **Meter License** Application. The information that is extracted in this wizard is used to generate a... ..know 3 0 that he/she is entering the portion of the wizard where the **meter license** is filled out. The follow the Yellow Brick Road text will change to **meter License** application., as shown in FIG. 1 OB.

In block 1011, the user...FIG. 100, serves 1 5 the purpose of letting the user know that the **meter license** portion has been completed, and that the Print Configuration will be next. In addition, this...user that the QA envelope should be sent in immediately, or 1 the user's **meter license**

may be revoked. A graphic of an envelope being placed into a mail box is...Change of Address Screen #4, shown in FIG. 19E appears when a change in the **meter license** is not required (i.e. if the physical address hasn't changed or if the... ..the process that needs to be undertaken in order to withdraw and reapply for a **meter license**. Selecting "Next>" prompts the user with a warning dialog box, as shown in FIG. 19G... ..no", the wizard is canceled.

Change of Address Screen 46 notifies the user that their **meter license** has been withdrawn.

In addition, it prompts the user for a new user name and...processes the appropriate withdrawal forms to the USPS on the user's behalf.

A Postal **Meter License** wizard is also provided. This option within the Options screen launches the new Registration wizard...

Dialog eLink: Order File History

3/3K/47 (Item 11 from file: 349)

DIAL.OG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00736242

POSTAGE METERING SYSTEM SYSTEME A AFFRANCHIR

Patent Applicant/Patent Assignee:

- **NEOPOST INC**
30955 Hunstwood Avenue, Hayward, CA 94544; US; US(Residence);
US(Nationality)

Inventor(s):

- **LEON J P**
1005 Elm Street, San Carlos, CA 94070; US

Legal Representative:

- **DINH Truong T**
Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero
Center, San Francisco, CA 94111; US;

Country	Number	Kind	Date
---------	--------	------	------

Patent	WO	200049580	A1	20000824
--------	----	-----------	----	----------

Application WO2000US386020000215

Priorities US9925099019990216

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 43919

Detailed Description:

...predetermined services to each of the roles. The provider is an entity (i.e., a **vendor** such as Neopost Inc.) that operates a funding system (such the Neopost funding computer, which...and identification registers to the host PC. In an embodiment, an initialized SMD is not **assigned** to any particular user.

Registered State: The SNM transitions from the Initialized state to the... ..no revenue has been loaded into the SI@M. A Registered SNM is able to **issue** zero valued indicia, to allow the user to test the operation of the system.

A... ..adds revenue to the revenue registers within the SMD. A firmed SNM is capable of **issuing** non-zero valued indicia, up to an authorized maximum value. Once the SMD has dispensed... ..the revenue registers is less than an authorized minimum value, the SMD can no longer **issue**

non-zero valued indicia until another Funding transaction is completed.

A Registered SNM may also...PIN phrase, and generating and sending a PROCESS RESPONSE message to the host PC.

After **issuing** this command for a User PIN, the host PC logs back in again because the... ..logs out the SSO after executing this command regardless of whether it was successful.

After **issuing** this command for a SSO PIN, the host PC logs back in again if the...it is stored in the buffer until the buffer overruns or until the host PC **issues** a GET AUX DATA message. When the host PC **issues** a GET AUX DATA message, the current contents of the buffer are sent to the... ..will then begin to accumulate data again. If the buffer fills before the host PC **issues** a GET AUX DATA message, the oldest data in the buffer is discarded and the... ..auxiliary port is enabled, the host PC may transmit data to the auxiliary device by **issuing** a SEND AUX DATA message and may read data from the auxiliary device by **issuing** a GET AUX DATA message.

The behavior of the SMD with respect to the auxiliary...zero Print cycle count, Dword.

SMD Software Model 2 SMD Software Model. Three BCD digits.

Vendor ID 2 Provider ID, 3 BCD digits.

Licensing ZIP Code 6 1 digit purpose code...Time Format is: YYyyM1
4DDBHhmmSSTT
SMD Software 2 SMD Software Model. Three BCD digits.

Model

Vendor ID 2 Provider ID, 3 BCD digits.

Licensing ZIP 6 1 digit purpose code and... ..Debit 1 7
Account Number
Direct Debit 1 "O" if using Credit Card
Account Type
Meter License 5
Software **License** 10 Provider License Number
Customer Account 8 "O" if new customer
Number
Credit Card 4... ..I "O" if using Credit Card
Account Type (supplied in the USER INFO 1 message)
Meter License 10 ASCII representation of value supplied in the USER
INFO1 message
Software License 10 (supplied... ..Debit 1 7
Account Number
Direct Debit 1 "O" if using credit card
Account Type
Meter License 5

Software **License** 10 Provider License Number

Customer Account 8 "O" if new customer

Number

Credit Card 4...Number

Credit Card Type 2

Direct Debit 17

Account Number

Direct Debit 1

Account Type

Meter License 10 ASCII representation of input from the USER

INF03 message

Software License 10 Provider License...Data Item Name Length and Format
Contents

Account Number 8 bytes BCD Customers account number, **assigned** during a

Registration trz Ascending Register 6 bytes ...A number, which uniquely

identifies each message, sent from i

Meter Lease Number 4 TBD

Meter License 5 bytes BCD Different format of License ID

Minimum Postage 3 bytes BCD Minimum postage... ...Provider X.509

Certificate 498 bytes binary Contains the provider's (e.g., or a **vendor**

such as Neopost Inc.'

Data Item Name Length and Format Contents

New Meter Type I format of **Meter License**)

SMD Software Model 2 byte BCD Three BCD digits identifying the software

application runniE

Data... ...Certificate containing USPS's public key to be used to verify

with the pr vider.

Vendor ID 2 bytes BCD Provider or **vendor** (e.g., Neopost Inc.) ID, 3 BCD

digits. W Watchdog Increment 2 bytes BCD Number ...

Dialog eLink: Order File History

3/3K/48 (Item 12 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00556009

ON-LINE POSTAGE SYSTEM

SYSTEME D'AFFRANCHISSEMENT EN LIGNE

Patent Applicant/Patent Assignee:

- **STAMPS COM INC**

Inventor(s):

- ANANDA Mohan

	Country	Number	Kind	Date
Patent	WO	200019382	A1	20000406

Application WO99US2207419990923

Priorities US9816399319980929

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

Publication Language: English

Filing Language:

Fulltext word count: 25709

Detailed Description:

...art system, disclosed in U.S. Patent Numbers 4,796,181 and 5,047,928 **issued** to John D. Wiedemer on January 3, 1989 and September 10, 1991, respectively, implements a... ..application software.

Another prior art system, disclosed in U.S. Patent Number 4,999,806 **issued** to Fred Chernow, et al., on March 12, 1991, is a system for distributing software... ..software.

A further prior art system, disclosed in U.S. Patent Number 5,138,712 **issued** to John R. Corbin on August 11, 1992, implements a method and apparatus for licensing...computer is in communication with a server computer located, for example, at a postage meter **vendor's** facility (hereinafter sometimes referred to as a "server system"). Means of communication between the... ..embodiment, a user of the on-line postage system may apply 25 and obtain a **meter license** from the USPS. The application may be completed and submitted using a licensing utility included...to the invention.

Figure 20 illustrates a remote user computer system (client) and postage meter **vendor**'s computer facility (server).

Figure 21 illustrates a remote user computer system (client) at a...etc.). The secure software rental system of the present invention requires that each user be **assigned** or allocated a unique user identification password. The user identification password is necessary for accessing ...delivery destination information, or personal information to the secure on-line electronic metering system.

PSD **vendor** system 1210 provides security-critical functions for users and comprises a user database. In Figure 12, PSD **vendor** system 1210 has modem 1211, a PSD server 1212 connected to the modem 1211, and...in Figure 12, USPS system 1220 performs user monitoring and user information access through PSD **vendor** system 1210, and allows authorized USPS personnel to have real-time, on-demand access to... ..customer's ability to print postage by modifying the status of the customer on PSD **vendor** system 1210.

Database 1213 typically comprises user profiles for every user licensed to use the... ..means, including for example, a satellite link. All communications between user system 1200 and PSD **vendor** system 1210 are encrypted using a suitable encryption algorithm such as RSA (Rivest Shamir Adleman) by security modules 1310 and 1402 to ensure secure communication. Likewise, all communications between PSD **vendor** system 1210 and USPS 1220 are encrypted using a suitable encryption algorithm such as RSA... ..file access module 1507. Flat files are used for data transfer between USPS 1220 and **vendor** system 1210, and include the following.

License application, license notification, **license** update, and **meter** activity and update files.

In one embodiment of the invention, authorized USPS personnel have real-time, on-demand access to customer usage and accounting data in 25 the **vendor** database system 1213 through USPS system 1220 to allow them to monitor user activities and... ..being used repeatedly by checking a unique postage number against a store of all previously **issued** numbers maintained on the **vendor** database system 1213.

One possible source of fraud is the user printer 1203, which is... ..Because print jobs cannot queue up and because printing must take place on-line, PSD **vendor** system 1210 can closely monitor actual printing carried out by the user system 1200. In...is prevented from changing the control bit setting to enable the print spooler without PSD **vendor** system 1210 knowing it.

Figure 16 is a flowchart illustrating the secure on-line postage... ..PC

1201. In one embodiment, the on-line postage metering program can be downloaded from **vendor** system 1210's WO 00/19382 PCT/US99/22074 68

In one embodiment of the invention... is copied to another PC, reinstalled, and communications are initiated with the PSD server PSD **vendor** system 1210 will recognize the program as a unit that is already associated with an... usable until the user (represented by user system 1200) is connected on-line with PSD **vendor** system 1210. While user system 1200 maintains an on-line connection with PSD **vendor** system 1210, PSD **vendor** system 1210 closely monitors the user's use of the tools.

The tools on PC... of the code must be completed by establishing an authorized on-line connection with PSD **vendor** system 1210 and by receiving the missing portion from PSD **vendor** system 1210. If the user attempts to execute the secure on-line postage metering program without first establishing an authorized connection with PSD **vendor** system 1210, the user PC 1201 will respond with an error message indicating that... such a connection is established.

In step 1603, communication manager 1401 is transferred from PSD **vendor** system 1210 to user PC 1201. In step 1604, communication manager 1401 of PC 1201... process verifies that a continuous link in maintained between the user system 1200 and PSD **vendor** system 1210.

In decision block 1610, a determination is made as to whether the password... to the user. Once a communication link is established between user system 1200 and PSD **vendor** system 1210, user system 1200 and PSD **vendor** system 1210 "talk" periodically using passwords. This periodical "talk" is referred to as authentication, by which PSD **vendor** system 1210 allows user system 1210 to stay on-line and communicate with PSD **vendor** system 1210. Each time a new authentication process begins for on-line postage metering... the user is allowed to continue. Otherwise, the connection between user PC 1201 and PSD **vendor** system 1210 is terminated as in step 1614.

The asynchronous header password verification process is... verification method also prevents attempts to intercept the communication between user system 1200 and PSD **vendor** system 1210 by outsiders since the communication is carried out in encrypted form. Even if... decodes the encryption, the outsider would not be able to maintain a link to PSD **vendor** system 1210 because the outsider would not have the necessary information to generate proper passwords... 1201 sends a request for on-line postage metering service using PC 1201 to PSD **vendor** system 1210. The request contains the user license number and a desired amount of postage... of a processing postal office, and a meter

number. The meter number may be uniquely **assigned** to the on-line postage metering software in addition to the embedded software ID code...from the USPS. In step 25 1802, the user obtains a license from an authorized **issuer**. For example, a local post office can get authorized by the USPS to **issue** licenses to on-line postage metering system users. In another embodiment of the invention, a... ..birth date) and financial information (e.g., banking institutions and credit card numbers) to PSD **vendor** system 1210. USPS interface module 1312 in PSD **vendor** system 1210 then forwards the electronic application to USPS system 1220 for approval/rejection. Whenon-line postage metering service in step 1804, the ascending and descending registers in PSD **vendor** database system 1213 are established for that particular user to read \$0.00, indicating there... ..s payment is deposited in the user's USPS account and database 1213 on PSD **vendor** system 1210 is updated to reflect the new payment in the user's 25 account... ..is allowed to access and download the user's account balance and statement from PSD **vendor** system . However, no user is allowed to modify the user's account information in database...requests.

User licensing module 251115 provides the user with options to apply for a new **meter license**, update an existing **meter license**, check the **meter license** status, and print the **meter license** application form (PS-3601A). The purpose of the user licensing module 251115 is to facilitate the application and granting of the USPS postage **meter license** to a user.

User prepayment module 251120 provides the user with payment options including but...system transactional activities.

License database access module 253150 reviews the status of postage meter licenses **issued** by the USPS to registered system users.

Flat files access module 253160 reviews the information... ..s computer 150 from a CDROM or a disc or by downloading directly from a **vendor's** computer or web site.

Communication between client software 100 and server software 200 is... ..Encryption Standard (DES).

Once the SSL triple DES session is established, the client software 100 **issues** a 25 64-bit random number (also referred to as a challenge) to server software...Postage Payment

To use the on-line postage system a user has to obtain a **meter license** from the United States Postal Service (USPS). In an embodiment of the invention, client software 100 allows a user to electronically apply for the **meter license** and obtain a license. The software enables the user to apply for a new **meter license**, update an existing **meter license**, check the **meter license** status, and print the **meter license** application.

Figure 26 is a diagram illustrating an embodiment of the invention showing various stages... ..software 100. If the license is approved at step 2630 the user is granted a **meter license**.

Figure 27 is a diagram illustrating the CMLS configuration and communication procedures in an embodiment...

Claims:

...metering method comprising the steps
of: a user computer establishing a communication link with a **vendor** computer; providing a printer connected to said user computer; executing an on-line postage meteringmetering software sending a request for a print authorization for a postage amount to said **vendor** computer; said **vendor** computer accessing a database to verify a fund availability to cover said postage amount; said **vendor** computer sending a permission and image information to said first computer in response to said...
...includes encrypting said request.
34 The method of claim 33 wherein said step of said **vendor** computer sending a permission and image information includes encrypting said permission.
35 The method of claim 34 wherein said step of said **vendor** computer sending a permission and image information includes encrypting said image information.
36 The method... ..system selecting a password; securely sending said password to said server system; said client system **issuing** a challenge to said server system; said server system modifying said challenge cryptographically; said client... ..server system.
46 The method of claim 45 wherein said step of said client system **issuing** a challenge comprises the step of **issuing** a 64 bit random number to server system.
47 The method of claim 46 wherein...

Dialog eLink: Order File History

3/3K/49 (Item 13 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00466838

VIRTUAL POSTAGE METER WITH MULTIPLE ORIGINS OF DEPOSIT
AFFRANCHEUSE VIRTUELLE A ORIGINES MULTIPLES DE DEPOT

Patent Applicant/Patent Assignee:

- PITNEY BOWES INC
- GRAVELL Linda V
- PINTSOV Leon A
- RILEY David W
- ROMANSKY Brian
- RYAN Frederick W Jr

Inventor(s):

- GRAVELL Linda V
- PINTSOV Leon A
- RILEY David W
- ROMANSKY Brian
- RYAN Frederick W Jr

	Country	Number	Kind	Date
Patent	WO	9857303	A1	19981217

ApplicationWO98US1220419980612

PrioritiesUS974951819970613

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA,
 CN, CU, CZ, EE, GE, GH, GM, GW, HU, ID,
 IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,
 MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK,
 SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
 YU, ZW, AT, BE, CH, CY, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Publication Language: English

Filing Language:

Fulltext word count: 6803

Detailed Description:

...U.S. Provisional Patent

Application Serial Number 60/049,518, filed June 13, 1997 and **assigned** to the **assignee** of the present invention.

Technical Field

The present invention relates generally to a postage metering... ..U.S.

Patent Application Serial Number 08/993,310, filed December 18, 1997, all being **assigned** to the **assignee** of the present invention.

Background Art

Postage metering systems have been developed which employ encrypted...
...Numbers 4,725,718, 4,757,537, 4,775,246 and
3o 47873,645, each **assigned** to the **assignee** of the present invention.

Presently, there are two postage metering device types: a closed system
831,555, each **assigned** to the **assignee** of the present invention.

The United States Postal Service ("USPS") has proposed an
InformationBased Indicia... ..host system element of IBIP ("IBIP Host
Specification"). IBIP includes
io interfacing user, postal and **vendor** infrastructures which are the
system
elements of the program. The INFORMATION BASED INDICIA PROGRAM
KEY...for example,

U.S. Patent Numbers 5,454,038 and 4,873,645, which are **assigned** to the
assignee of the present invention. The Virtual Meter does not conform to
all the
current requirements...purchased CD-ROMs. Mailers can acquire postage on
3o an as-needed basis. Finally, meter **vendors** do not have to keep track
of
physical meters. A virtual postage metering system eliminates...

...Related U.S. Patent Application

Serial Number 08/993,310, filed December 18, 1997, and **assigned** to the
assignee of the present invention, discloses a system and method whereby
the postage metering device can...of deposit so that the proper postal 3o
accounts can be credited for the postage **issued**.

Several benefits are realized from the present invention. One such
benefit relates to the postal...is ready to print the mailpiece.

9

In the virtual postage metering system, a "meter" **vendor**, such as Pitney
Bowes Inc., provides the mailer with client software that runs on
PC...fees

can be charged at this time. Data Center 30, preferably administered by a
meter **vendor**, such as Pitney Bowes Inc., arranges all meter licenses and
agreements between its mailers and...in U.S. Patent Application
Serial Number 08/775,818, filed December 31, 1996, and **assigned** to the
assignee of the present invention, which is hereby incorporated in its
entirety by reference. For other...postage payment being reported, the
Postal Service verifies payment of total transactions being reported and
assigns funds from such payment to the appropriate local post offices.
When a prepayment method is...30. At step 210, the Data Center
3o activates the mailer's PSA by **assigning** the mailer's credit card
account to it and notifies the mailer. At step 215 office. At step 240,
the Postal Service **assigns** an appropriate amount of funds from the funds
control center to each local post office... ..amount owed to each origin
zip (local) post office. At step 340,
the Postal Service **assigns** an appropriate amount of funds from the funds

control center to each local post office... ..any other postal accounting system (such as one where payment for parcels and letters are **assigned** to different postal departments).

While the present invention has been disclosed and described with reference...

Claims:

...the address.

9 The method of claim 8 comprising the further step of:
obtaining a **meter license** from the USPS based on the postal code information.

10 The method of claim 8...

Dialog eLink: Order File History

3/3K/50 (Item 14 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

(c) 2009 WIPO/Thomson. All rights reserved.

00427644

APPARATUS AND METHODS FOR COLLECTING VALUE

APPAREIL ET PROCEDE D'ENCAISSEMENT

Patent Applicant/Patent Assignee:

- FORTRESS U & T LTD
- GRESSEL Carmi David
- MILSTEIN David
- SANDER Avi
- HADAD Isaac
- GRANOT Ran

Inventor(s):

- GRESSEL Carmi David
- MILSTEIN David
- SANDER Avi
- HADAD Isaac
- GRANOT Ran

	Country	Number	Kind	Date
Patent	WO	9818107	A1	19980430

Application WO97IL33719971022

Priorities IL11948619961024

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

JP, KR, US, AT, BE, CH, DE, DK, ES, FI,

FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Publication Language: English

Filing Language:

Fulltext word count: 23920

Detailed Description:

...a set of rules frozen within the first and second memories which allows a cheque **issued** by the cheque sending security access module to be used by the cheque receiving securing...a set of rules frozen within the first and second memories which allows a receipt **issued** by the receipt sending security access module to be used by the receipt receiving securing...a set of rules frozen within the first and second memories which allows a cheque **issued** by the cheque sending security access module to be used by the cheque receiving securing... ..a set of rules frozen within the first and second memories which allows a receipt **issued** by the receipt sending security access module to be used by the receipt receiving securing... ..be benefited with cash discounts, while spreading an equitable part of the savings to participating **vendors** and providers of service.

In a typical system, customers benefit from having cash held safely... ..benefits from interest on the outstanding float held in the consumers' smart cards.

An important **issue** is how the system operator can be assured, that, in such a dispersed system, where...agents who load value into cards may be tempted to engage in 'printing money').

This **issue** is now resolved as there are compact mass produced, securely protected monolithic data protection mechanisms... ..a proposed transaction.

In a smart card chip such as those manufactured by the applicant/**assignee**, Fortress U & T Ltd., there may be several purses. The same chip can be uniquely initialized and personalized by several independent **issuers**, and each **issuer** may embed a unique variety of purses and information protecting applications in an individual user's card.

To protect honest users, **vendors** and **issuers** from fraud, rules are made and followed to assure the validity of a transaction, and protect honest **vendors** and consumers.

With credit purchases, general rules of what the EMV calls risk assessment typically... ..recently as was demanded, and of course a check for any other aberrations that an **issuer** might desire, such as a limit on the number of withdrawals in a period of time; the number of purchases that can be made without the **vendor's** terminal "going on-line" to the central computer in order to restore the line... ..on-line transaction or in a purse to purse session with an approved agent.

A **vendor** or service terminal can receive payment for goods and services from either a debit (stored...to receive in his bank account from the purse reloader, so that he can compensate **vendors** for goods and services to be received from card-holders who pay with electronic cash... ..monies have been removed or added into their purses. This can protect them from rogue **vendors** who may have purposefully overcharged or fraudulent terminals which may have 'short changed' the card...more times.

A similar situation arises in the United States where the Department of Agriculture **issues** food credits to the needy. A blind cheque must be **issued** to each of the indigents, who can only use a cheque once, and the USDA... ..for assuring that a cheque can be credited, once, and only once, is for the **issuer** of the cheque to know a unique number, which was

11
provably generated by the...cash receivables", determined by the system operators.

Restraint and constraint strategies to be placed on **vendor's** use of "cash received" in lieu of "credit for cash receivables" .

Time Restraint.

A **vendor's** terminal can be programmed so that it must deposit cash received within a certain... ..daunted by the difficulties of handling transactions.

Limitiniz the Credit for Cash Receivable that a **vendor** is allowed.

In all Fortress **vendor** and consumer SAMs and smart cards, a value of use limit is put on all purses. The system operator is probably not willing that the **vendor** collects and holds large amounts of money for long ...non-payment on time.

This is the "hold" that the system operator has on the **vendor**. If a **vendor** does not comply with the operator's rules, and has used up his credit for cash receivables, then the **vendor** may refuse to reissue his

credit, and the **vendor** will then be unable to reload stored value into consumers' purses.

Coupling the Motivating Bonus which the **Vendor** receives for handling the cash with interest charged to the **vendor** for delayed transfer of funds, in those cases where the **vendor** does not 'buy' the original CCR sum, but is allotted by the system operator.

All cash which is collected by **vendors** is archived in the **vendors'** terminals, dated and certified. AJI funds collected by a **vendor** grant him a percentage bonus for handling and transferring the money for clearance, and for... ..disk and a BestCrypt PC drop in card, at least one smart card reader.

An **issuer's** workstation is maintained in a very well protected area, used for initializing smart cards...CASH - Bills and coins (physical cash), normally used as legal tender.

Acquirer - Bank or other **Issuer** who clears transactions.

a Alpha- the first letter of the Greek alphabet.

A (a)

AAC... ..a transaction ACN Account Number- A unique number identifying smart card's account with an **issuer**. See PAN.

ACK Acknowledgment- Confirmation of acceptance of transmission.

Application Default Action - A data element...unique, universally available public identifiers.

17

ARPC Authorization Response Cryptogram - A response, sent by the **issuer**, upon receipt of an ARQC, which proves its authenticity.

ARQC Authorization Request Cryptogram - A response...g., a vending machine, a TIM, a parking meter, following rules established by the SC **issuer**, the SAM/SC's CAR is decremented. Means and methodology in this document with relation...in one purse if decremented by the same amount from another system purse.

When a **vendor** accepts AMT of \$CASH for the system from a consumer the **vendor's** CCR is decremented by AMT and he typically executes a system "purchase" in order...recorded in non-volatile memory in a SAM/SQ.

Certificate- A cryptogram signed by an **issuer** or a sub-**issuer** of a system whose public key is known and recognized by the authenticator, thereby proving system (black listed users or **issuers**)- **issuers'** and users' CRLs should be kept in separate files. These listings are made current at...a

payment system to accept physical cash or electronic value.

Entitlement- The procedure allowing an **issuer** or a subissuer the proper priority to access applications -no access, read only, write only...of last purse transactions performed by a SAM.

In general, only the cardholder and the **issuer** (not the **issuer's** agents) have entitlement to read the file on any system terminal. This permits the cardholder to confirm the actual value of his transactions. The card **issuer** determines how many "last transactions" can be stored in the EEPROM.

IAC **Issuer** Action Code - A set of **issuer** defined action lists, indicating the
26
behavior of the card, in different situations.

I-Block...of the Command Message - According to ISO 7816 structure, typically.

ISO International Organization for Standardization **issuers** of internationally accepted technical standards - see Normative References.

ISOxx(c) ISO Format Function 9796 on... ..text (specified in parenthesis) - a data structure for electronic signatures to protect message/document integrity.

Issuer - Card **Issuer** or Card **Issuer's** Agent

Journal Printer - An internal device which prints a record of every transaction on.... ..by the ICC

Lock - A closure put on an application(s) by a terminal, an **issuer**, or by internal negotiation within the ICC, preventing access to such applications.

Some closures can be removed by the **issuer**, probably after card user has fulfilled obligations, or following return of card to rightful owner...Length of Certification Authority's Public Key Modulus in bytes.

28

N, Length of the **Issuer's** Public Key Modulus in bytes.

Nic Length of the ICC's Public Key Modulus The procedure followed by an **issuer** wherein a smart card or SAM/SC is **assigned** to a subscriber with unique identification, and file structures are programmed into the EEPROM withData (SCOS++)

30

PTICKET Printed Ticket - A paper travel voucher purchased with AMT of SCASH

issued by a TIM. The driver's OPM's CCR is reduced by AMT as it... ...s tool to confirm proper procedure and one to one agreement between moneys received, tickets **issued**, credit for cash receivables reduced, and validity of passenger's proof of payment.

PTS Protocol... request for receipt typically includes proof of X's belonging to the system, and data **issued** by X's SAM/SC which will enable to convert said receipt once, and only... ...5 bit number used to access an EF within the same application or directory.

Si **Issuer's** Private Key- The Secret (only RSA in present EMV specs) key used by the **issuer** to sign certificates of participants in the **Issuer's** applications.

SIC ICC's Private Key- The Secret key (RSA in EMV) embedded in...to prevent or compensate for illicit or unintentional interruption of a transaction procedure.

TIM Ticket **Issuing** Machine- A cryptocomputer regulated device that controls money collection, ticket **issuing** and collection, controls access to vehicle, and collects transaction and automotive data relevant to a...received; and C. Debiting his own electronic purse to reflect the value of the ticket **issued** or the amount of value loaded into the traveler's smart card.

A preferred feature...portion rejects input from the external source.

Typically, each bus is equipped with a ticket **issuing** machine (TIM) and each operator (driver) is equipped with a portable personal module (OPM). Each... ...the TIM's electronic purse by the same amount.

b. The TIM is operative to **issue** a paper ticket in response to a driver's actuation. Typically, the driver actuates the TIM... ...the TIM's electronic purse by the same amount.

C. The TIM is operative to **issue** multiple or free pass tickets in response to a driver's actuation. Typically, the driver... ...insertion of the smart card into the TIM. The smart card may be a card **issued** by the transportation system, or may be an "external" card such as a conventional credit...preferably records the time of day, the user preferably enters useridentifying information such as his **license** plate number, the **meter** displays the balance of electronic cash possessed by the smart card inserted and/or the... circuits in which is programmed the SCOS++ operating system.

Preferably, once a smart-card is **issued**, it is a secured information environment subject to the application authorization and restriction, modified only...

Claims:

...a set of rules frozen within said first and second memories which allows a cheque **issued** by the cheque sending security access module to be used by the cheque receiving securing...a set of rules frozen within said first and second memories which allows a receipt **issued** by the receipt sending security access module to be used by the receipt receiving securing...a set of rules frozen within said first and second memories which allows a receipt **issued** by the receipt sending security access module to be used by the receipt receiving securing... ..a set of rules frozen within said first and second memories which allows a receipt **issued** by the receipt sending security access module to be used by the receipt receiving securing...

3/3,K/51 (Item 1 from file: 613)

DIALOG(R)File 613: PR Newswire

(c) 2009 PR Newswire Association Inc. All rights reserved.

0001846572 ID464A0904A2911DAA3339A49614752AC (USE FORMAT 7 FOR FULLTEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering

PR Newswire

Monday , October 31, 2005 T16:00:00Z

Journal Code: PR **Language:** ENGLISH **Record Type:** FULLTEXT **Document**

Type: NEWSWIRE

Word Count: 553

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/52 (Item 2 from file: 613)
DIALOG(R)File 613: PR Newswire
(c) 2009 PR Newswire Association Inc. All rights reserved.

0001846551 IC748EA104A2911DAA3339A49614752AC (USE FORMAT 7 FOR FULLTEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering

PR Newswire

Monday , October 31, 2005 T16:00:00Z

Journal Code: PR **Language:** ENGLISH **Record Type:** FULLTEXT **Document Type:** NEWSWIRE
Word Count: 551

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/53 (Item 3 from file: 613)
DIALOG(R)File 613: PR Newswire
(c) 2009 PR Newswire Association Inc. All rights reserved.

00427211 20001002SFM015 (USE FORMAT 7 FOR FULLTEXT)

J.D. Edwards Announces General Availability of Oneworld Xe, the Collaborative Commerce Enabler for The Internet Economy

PR Newswire

Monday , October 2, 2000 12:00 EDT

Journal Code: PR Language: ENGLISH Record Type: FULLTEXT Document
 Type: NEWSWIRE
 Word Count: 1,942

Text:

...requests, inquire on orders, receipts, inventory levels and payment information; and carriers can inquire on **assigned** loads and shipments.

Comprehensive Solution Set
 OneWorld Xe will include some 300 Internet-ready applications...

...Workbench

- Certificate of Analysis
- Lot Trace Track Management
- Serial Number Trace Track Management
- Inventory Management
- **Vendor** Managed Inventory (VMI)
- Container Management:
 - Container Deposit Inquiry
 - Container Transaction Inquiry
 - Container Serial Tracking
 - Container...Quote/Bid Entry
 - Requisition Workbench
 - Requisition Entry
 - Blanket and Contract Order Process
 - Change Order Process
 - **Vendor** Schedule Process
 - Landed Cost Calculator
 - Electronic Approval Process
 - Receiving Process (Non-Advanced Warehouse)
 - 2-way...

...Set-up

- Templates
- Budgeting
- Commitments
- Forecasting
- Profit Recognition
- Work-in-Progress Capitalization
- Project Change Management:
 - **Issue** Identification
 - Change Request Processing
 - Budget Integration
 - Integrated Contract Awards
 - Proposed Change Order Processing
 - Change Order...

...Revenue Billing and Tracking

- Plant and Equipment Maintenance Management:
 - Equipment/Component Relationships
 - Equipment/Component Workbench
 - **Meter** Readings Management
 - Permit/**License** Management
 - Cost Workbench by Repair/Reason Code
 - Equipment Time Billing
 - Equipment Location Tracking
 - Equipment Preventive...

3/3,K/54 (Item 1 from file: 621)
DIALOG(R)File 621: Gale Group New Prod.Annou.(R)
(c) 2009 Gale/Cengage. All rights reserved.

04423451 **Supplier Number: 138181077 (USE FORMAT 7 FOR FULLTEXT)**
System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering.

PR Newswire , p NA
Oct 31 , 2005
Language: English **Record Type:** Fulltext
Document Type: Newswire ; Trade
Word Count: 598
Supplier Number: (USE FORMAT 7 FOR FULLTEXT)

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License Broker(TM)** now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License Broker(TM)** to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/55 (Item 2 from file: 621)
DIALOG(R)File 621: Gale Group New Prod.Annou.(R)
(c) 2009 Gale/Cengage. All rights reserved.

02665892 **Supplier Number: 65639118 (USE FORMAT 7 FOR FULLTEXT)**
J.D. Edwards Announces General Availability of OneWorld Xe, the Collaborative Commerce Enabler for the Internet Economy.

PR Newswire , p NA
Oct 2 , 2000
Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 1907

-

...requests, inquire on orders, receipts, inventory levels and payment information; and carriers can inquire on **assigned** loads and shipments.

Comprehensive Solution Set
OneWorld Xe will include some 300 Internet-ready applications...

Workbench

- Certificate of Analysis
- Lot Trace Track Management
- Serial Number Trace Track Management
- Inventory Management
- **Vendor** Managed Inventory (VMI)
- Container Management:
- Container Deposit Inquiry
- Container Transaction Inquiry
- Container Serial Tracking
- Container...

...Quote/Bid Entry

- Requisition Workbench
- Requisition Entry
- Blanket and Contract Order Process
- Change Order Process
- **Vendor** Schedule Process
- Landed Cost Calculator
- Electronic Approval Process
- Receiving Process (Non-Advanced Warehouse)
- 2-way...

...Set-up

- Templates
- Budgeting
- Commitments
- Forecasting
- Profit Recognition
- Work-in-Progress Capitalization
- Project Change Management:
- **Issue** Identification
- Change Request Processing
- Budget Integration
- Integrated Contract Awards
- Proposed Change Order Processing
- Change Order...

...Revenue Billing and Tracking

- Plant and Equipment Maintenance Management:
- Equipment/Component Relationships
- Equipment/Component Workbench
- **Meter** Readings Management
- Permit/**License** Management
- Cost Workbench by Repair/Reason Code
- Equipment Time Billing
- Equipment Location Tracking
- Equipment Preventive...

3/3,K/56 (Item 1 from file: 636)
DIALOG(R)File 636: Gale Group Newsletter DB(TM)
(c) 2009 Gale/Cengage. All rights reserved.

02496574 **Supplier Number:** 45013612 (USE FORMAT 7 FOR FULLTEXT)

"BACKOFFICE" BAND WAGON: 3RD PARTY ACTION IN THE WAKE OF THE MICROSOFT ANNOUNCEMENT

Report on Microsoft , v 2 , n 18 , p N/A

Sept 26 , 1994

Language: English **Record Type:** Fulltext

Document Type: Newsletter ; Trade

Word Count: 1949

Supplier Number: (USE FORMAT 7 FOR FULLTEXT)

Text:

* Systems management **vendor** CANDLE CORP. (SANTA MONICA, CALIF.)
ANNOUNCED PLANS to provide advanced systems management functionality for NT
...

...Candle's OMEGAMON for Windows NT will support Microsoft's OLE/COM object
architecture by **issuing** COM-based agents to gather systems
management and performance information from NT workstations and servers...

...that will further speed the creation of new Windows NT 3.5 applications.

* Networking solutions **vendor** XINET TECHNOLOGY (MILPITAS,
CALIF.) SAID IT WOULD enhance the Series 1800 ParallelSwitch to support the
...

...card into the server, and does not require any additional
internetworking devices.

* Client/server software **vendor** BEAME & WHITESIDE SOFTWARE
(RALEIGH, N.C.) announced that its NFS client, BW-Connect NFS for...

...can maintain up to eight threads, each of which handles simultaneous,
independent data transfers.

* Internetworking **vendor** EICON TECHNOLOGY (MONTREAL, QUEBEC,
CANADA) ANNOUNCED that its WAN Services for Windows NT is the...comfortably
support more than 400 benchmark users (financial accounting), the company
said.

* Interactive computer graphics **vendor** and Windows NT developer
INTERGRAPH Corporation (Huntsville, Ala.) announced features, packaging,
and NT 3.5...

...The module is an add-on to Express Meter, the company's highly-praised
flagship **license** management product. Express **Meter** uses
dynamic **license** assignment to optimize license usage on a LAN,
allowing users on a network to fully...

...standard SMS console.

* Getting a jump on the rest of the industry last week, hardware
vendor BTG INC. (Vienna, Va.) said its new AXP275 computer, a 275
megahertz system using Digital...

3/3,K/57 (Item 2 from file: 636)
DIALOG(R)File 636: Gale Group Newsletter DB(TM)
(c) 2009 Gale/Cengage. All rights reserved.

01000095 **Supplier Number:** 40253812 (USE FORMAT 7 FOR FULLTEXT)

ONLINE '87

Communication Technology Impact , v 9 , n 10 , p N/A
Jan , 1988

Language: English **Record Type:** Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 1722

-

...and plastics traded internationally. Two services are available: the 'current' file, containing the latest 2 **issues**; and an archive file of all **issues** more than 2 weeks, back to the beginning of 1985.

Data-Star has also introduced...capitalists 3i and Strathclyde Regional Council Superannuation fund to market Meter It. RunTime Innovations will **license Meter** It to existing and potential **vendors** of tradeable information in the US and Europe. Typically, these will be database owners and...

?